

Sunday, June 1		
12:00 pm – 2:00 pm	IDEA Executive Committee Meeting and Luncheon – <i>Skyway A</i>	
1:00 pm – 5:00 pm	IDEA Board Luncheon and Meeting – <i>Greenway A/J</i>	
3:00 pm – 5:00 pm	Registration Open – <i>Nicollet Promenade</i>	
Monday, June 2		
6:30 am – 2:00 pm	IDEA Annual Golf Tournament – <i>Theodore Wirth Golf Course</i>	
7:00 am – 7:00 pm	Registration Open – <i>Nicollet Promenade</i>	
7:00 am – 8:00 am	Workshop Breakfast – <i>Northstar Ballroom</i> (Breakfast for all registered workshop attendees.)	
7:00 am – 7:45 am	Workshop Speaker Orientation Meeting – <i>Northwoods</i>	
8:00 am – 3:00 pm	Workshop 1 – District Energy & Data Centers – <i>Greenway B/C/H/I</i>	Workshop 2 – Thermal District Energy Networks – <i>Greenway D/E/F/G</i>
8:00 am – 4:00 pm	Exhibit Setup – <i>Hyatt Exhibit Hall</i>	
12:30 pm – 3:00 pm	DE 101 & YPG Forum – Supported by IDEA Young Professionals Group (YPG) – <i>Lakeshore A/B/C</i>	
10:00 am – 4:00 pm	Poster Presentation Setup – <i>Hyatt Exhibit Hall</i>	
3:05 pm – 4:10 pm	Forums – Open meetings for IDEA members to discuss current industry issues by specialty area. <div><div>District Cooling Forum – <i>Greenway J</i> Industry Leaders Forum – <i>Skyway A</i> (intended for General Manager, President & C Level DE Operating System members)</div><div>District Energy Women’s Initiative (DEWI) – <i>Mirage</i> Future Energy Forum – <i>Skyway B</i> Business Development – <i>Greenway A</i></div></div>	
4:15 pm – 5:30 pm	116 th Annual IDEA General Meeting – Annual business meeting of association including reports, election of officers & directors, and special awards & recognition. Open to all members & guests. Refreshments will be served - <i>Nicollet Ballroom</i>	
5:30 pm – 7:00 pm	Ribbon Cutting to Open Exhibit Hall for Business Partners Welcome Reception – <i>Hyatt Exhibit Hall</i> <i>Sponsored by CenTrio, Enwave & Johnson Controls</i> Poster Presentations– <i>Hyatt Exhibit Hall</i>	
	Open Evening – Enjoy an open evening to explore Minneapolis and experience the city on your own.	

Tuesday, June 3	
7:00 am – 6:30 pm	Registration Open – Nicollet Promenade
7:15 am – 8:10 am	Breakfast with IDEA Business Partners – Hyatt Exhibit Hall <i>Sponsored by Ramboll</i>
7:15 am – 8:00 am	Speaker Orientation Meeting – Northwoods Speakers scheduled to present on Tuesday must attend. Coffee and Breakfast will be served.
8:15 am – 9:15 am	Grand Opening – 116th Annual IDEA Conference – “Aggregate, Integrate, Innovate” – Nicollet Ballroom Introductory Remarks – Robert Thornton, IDEA President & CEO Welcome to IDEA2025 & IDEA Chair Address – Joan Kowal, IDEA Chair 2024-25, Jacobs Welcome to Minneapolis – Jacob Graff, Conference General Chair & Host, President North & West Regions, Cordia IDEA 2025 System of the Year Award – Presented by Bob Smith, IDEA Awards Chair, RMF Engineering
9:15 am – 10:15 am	Opening Plenary Panel – Global Industry Leaders on IDEA 2025 theme “Aggregate, Integrate, Innovate” - Nicollet Ballroom <i>Panelists include:</i> Ahmad Bin Shafar , CEO, Empower Earl Collins , CEO, Cordia Carlyle Coutinho , CEO, Enwave Energy Corporation Frank Cuomo , Director, Commodity Operations, Con Edison Luke Gaalswyk , CEO, Ever-Green Energy Kevin Hagerty , CEO, Vicinity Energy Diego Mandelbaum , Chief Development Officer, Corix Meghan Riesterer , Chief Sustainability Officer, CenTrio <i>Moderated by Rob Thornton, IDEA President & CEO</i>
9:00 am – 5:00 pm	Spouse/Significant Other Program – The Ultimate Mall of America Experience
10:15am – 10:55am	Refreshment Break with IDEA Business Partners – Hyatt Exhibit Hall <i>Sponsored by Jacobs</i> Poster Presentations – Hyatt Exhibit Hall

11:00am – 12:25pm	1A – Decarbonizing District Energy Systems <i>Lakeshore A/B/C</i> Moderator: Leslie Fangman, Fangman Associates	1B – Integrating Renewables & Sector Coupling <i>Regency Room</i> Moderator: Bryan Kleist, Cordia	1C –Heat Pumps & Electrification for a Low-Carbon Future <i>Greenway B/C/H/I</i> Moderator: Ted Borer, Borer Energy Engineering	1D – Business Models & Financing Strategies <i>Greenway D/E/F/G</i> Moderator: Aaron Miller, Sharc	1E – Designing and Operating Thermal Energy Networks <i>Northstar A</i> Moderator: Mitch DeWein, CHA Solutions
11:00am – 11:25am	Avoiding the “Ope!” Quality Communication at the University of Minnesota - Wendy S. Placko & Alexandra Sherf, RMF Engineering; Mike Grimstad, University of Minnesota	Sustainable Energy for EV Production MAN Energy Solution’s Industrial Air-Sourced Heat Pump @ Scout Motors - Mobola Dosumu & Thomas Staude, MAN Energy Solutions USA Inc.	Decarbonizing District Energy in Cold Climates Using CO2 Air Source Heat Pumps - Colin Richardson, University of British Columbia	Opportunities for Renewable Woody Biomass Energy Projects, Funding Availability, and Project Examples. – Julie Tucker, USDA Forest Service	Advancing the Next Generation of Geo-Exchange Energy Systems – Michael Ahern, Ever-Green Energy
11:30am – 11:55am	Oakridge Energy Low Carbon District Energy System - Taheera Lallany & Jordan Eichorn, Oakridge Energy	Interplay Between Flex-CHP And Electrified Heating to Solve Grid Stabilization - Anders Stuxberg, Siemens Energy AB	Decarbonize Cities with Ground Source Heat Pump and Storage Source Heat Pump? Either/Or Both - Bruce B. Lindsay, Trane Technologies	Baylor University P3 Partnership - Lance W. Lindley, Jacobs; Zachary Smith, Ernst Young LLC	A New Type of District Energy: First-Wave Thermal Energy Networks – Brian Urlaub, Salas O’Brien
12:00pm – 12:25pm	Sustainable District Energy Solutions: A Case Study of Cordia's Minneapolis’ Carbon Free Chilled Water Program. - Jacob Graff, Cordia; Luke Hollenkamp, City of Minneapolis; Toby F. Hansen, Cordia	District Energy in Colombia: A Sustainable Model for Integrating Renewable Energies - Ivan F. Sierra, Pontificia Universidad Javeriana	District Heating Plant Uses 24MW Ammonia Heat Pump to Achieve Decarbonization Goal - Simon Keller & German Robledo, GEA Systems North America, LLC	District Energy Projects Eligible for Tax Incentives - Jacob L. Goldman, Energy Tax Savers Inc d/b/a R&D Tax Savers	Support for Large-Scale Thermal System Development in New York State – Sue Dougherty, New York State Energy Research and Development Authority (NYSERDA)
12:30 pm – 2:00 pm	IDEA Awards Recognition & Keynote Luncheon – Nicollet Ballroom Sponsored by Affiliated Engineers, Chem-Aqua, Solar Turbines & Trane UN Climate Champion City Recognition - The Honorable Jacob Frey, Mayor of Minneapolis, MN (invited) Keynote Address – “<u>Emerging Energy Trends: Innovation and Market Shifts</u>” - Joseph Majkut, Director, Energy Security and Climate Change Program, Center for Strategic and International Studies (CSIS) Sponsored by Cordia, Corix & Empower				
2:00 pm – 2:40 pm	Dessert and Coffee Networking Break with IDEA Business Partners – Hyatt Exhibit Hall Sponsored by Kerr Wood Leidal Poster Presentations – Hyatt Exhibit Hall				

2:45 pm – 3:40 pm	2A – Decarbonizing District Energy Systems <i>Lakeshore A/B/C</i> Moderator: Kim Greene, 2G Energy	2B – Advancing Carbon Capture & Sustainable Energy <i>Regency Room</i> Moderator: Lindsey Kuhnen, Jacobs	2C – Optimizing District Energy with AI & Machine Learning <i>Greenway B/C/H/I</i> Moderator: Chase Dube, University of Texas - Austin	2D – Global Strategies and Governance Models for Advancing District Energy <i>Greenway D/E/F/G</i> Moderator: Darrel Tremaine, CenTrio	2E – Data Driven Decision Making <i>Northstar A</i> Moderator: Frank Cuomo, Con Edison
2:45 pm – 3:10 pm	Campus Energy Decarbonization: A Comprehensive Assessment for UCLA - <i>Zach Stevens & Charlie Marino, WSP</i>	Carbon Capture Feasibility Study for UT Austin - <i>Emily Kunkel, Thornton Tomasetti; Ryan Thompson, University of Texas - Austin</i>	Optimization of District Cooling Plant Operations Using Machine Learning - <i>Veerendran Krishnan, Empower</i>	Governance Models for Accelerating the Heat Transition: Lessons from The Netherlands - <i>Richard M. van der Beek, Stantec</i>	Seamless Integration: Using Optimization Software to Manage Heat Pumps in District Energy Systems - <i>Kate M. Anderson & Mark Thompson, Johnson Controls</i>
3:15 pm – 3:40 pm	Finalizing a Decarbonization Transition to Ensure Sustainability and Resiliency - <i>Maximilian Christman, California Institute of Technology; Andrew Clark, ARUP</i>	Un-Natural Gas - a Path to Decarbonization - <i>Joseph Martorano, Arup</i>	Harnessing AI for Sustainable District Heating and Cooling: Reducing Carbon Emissions and Enhancing Efficiency – <i>Zach Stevens & Charlie Marino, WSP</i>	Global Energy District Programme UNIDO-SECO – <i>Ricardo Baquero, United Nations Industrial Development Organization</i>	Improved Boiler Performance Through Equipment and Controls Optimization - <i>Erald Hoshi & James Lescher, Ever-Green Energy, Mark Geronime, Milwaukee Regional Medical Center Thermal</i>
3:45 pm – 4:15 pm	Refreshment Break with IDEA Business Partners – Hyatt Exhibit Hall <i>Sponsored by Siemens Energy</i> Poster Presentations – Hyatt Exhibit Hall				
4:20 pm – 5:30 pm	3 – Plenary Session: 2025 Awards & Recognition <i>Nicollet Ballroom</i> Moderator: Rob Thornton, IDEA				
4:20 pm – 5:30 pm	2025 Awards & Industry Recognition - Joseph M. Brillhart Innovation Award, District Energy Space Awards, IDEA Golf Tournament Award & John Gray Scholarship Awards				
5:35 pm – 6:45 pm	Reception with Business Partners in the Exhibit Hall – Hyatt Exhibit Hall <i>Sponsored by CenTrio, Enwave & Johnson Controls</i> Poster Presentations – Hyatt Exhibit Hall YPG Happy Hour – Hyatt Exhibit Hall				
	Open Evening – Enjoy an open evening to explore Minneapolis and experience the city on your own.				

Wednesday, June 4					
7:00 am – 5:00 pm	Registration Open – Nicollet Promenade				
7:00 am – 7:50 am	Breakfast with IDEA Business Partners – Hyatt Exhibit Hall				
7:15 am – 7:50 am	Speaker Orientation Meeting – Northwoods All speakers scheduled to present on Wednesday must attend. Coffee and Breakfast will be served.				
8:00 am – 8:55 am	Second Plenary Panel Discussion – Industry Leaders on “District Energy Technologies to Accelerate the Energy Transition” – Nicollet Ballroom District energy systems offer the advantage of scale to integrate a whole “quiver” of technologies, including CHP, bio-fuels, hydrogen, heat pumps, nuclear (small modular reactors), deep geothermal; networked geo-exchange, energy recovery& sharing, and fusion, among others <i>Panelists include:</i> Rajesh Dixit , Senior Director, Global Product Management, Johnson Controls, Inc Neil Ethier , Vice President Business Development, Eavor Technologies, Inc. Kevin Fox , Engineering Manager, Burns & McDonnell Kimberly Greene , North American Sales Director, 2G Energy North America Joan Kowal , Vice President, Business Development, Jacobs Noah Nkonge , Senior Manager, Sustainability, Heat Export, Equinix Tim Peer , Vice President, District Energy, BOND Construction Bernie Pfeifer , North American Sales Director Power Generation, Solar Turbines <i>Moderated by Rob Thornton, IDEA President & CEO</i>				
9:00 am – 9:55 am	4A – The Role of Nuclear Energy in District Energy Systems <i>Lakeshore A/B/C</i> <i>Moderator: David Goetz, Burns & McDonnell</i>	4B – Maximizing Waste Heat & Renewable Resources for Sustainable District Energy <i>Regency Room</i> <i>Moderator: Jesse Cabrera, Stanley Consultants</i>	4C –Geothermal & Geo-exchange Innovations <i>Greenway B/C/H/I</i> <i>Moderator: Paul Holt, Corix</i>	4D –District Energy in Action <i>Greenway D/E/F/G</i> <i>Moderator: Ayman Fahmy, KWL</i>	4E – System Development, Expansion & Optimization <i>Northstar A</i> <i>Moderator: Grant Kircher, Thermo Systems</i>
9:00 am – 9:25 am	Economic Evaluation of Nuclear Energy for District Heating on the University of Virginia Campus - Jordan T. Cox, NEA; Paul Zmick, University of Virginia	How Waste-to-Energy Supports District Energy Sector Coupling in Denmark - Rob Neimeier, Ramboll	Decarbonization Master Plan for Hennepin County Energy Center - James Bohn, FVB Energy Inc.; David McNary, Hennepin County Energy Center	District Energy Done Right – Ayman Fahmy, Kerr Wood Leidal	Optimizing Chiller Plants for Peak Performance and Lower Costs - Morgan Hartman & Dan Gentry, Trane

9:30 am – 9:55 am	Steady Energy: Small Modular Nuclear Reactor Heating Plants for District Heating – <i>Matti Sinisaar & Kristjan Mihhelsi, Steady Energy</i>	Using Waste-to-Energy in a New Low Carbon DES – <i>Niall Pidgeon, FVB Energy; Björn Widarsson, FVB Energy Sweden</i>	Reinventing a Historic District with Campus Geothermal - <i>David Traxler, Burns & McDonnell; Jonathan Arnold, Arnold Development Group</i>		Challenges, Successes, And Potential for Seeding a Next-Generation District Energy System – <i>Kyle Deadwyler, the RMH group; Joe Schwark, Xcel Energy</i>
10:00 am – 10:40 am	Refreshment Break with IDEA Business Partners – Hyatt Exhibit Hall <i>Sponsored by PRVN Consultants</i> Poster Presentations – Hyatt Exhibit Hall				
9:15 am – 4:00 pm	Spouse/Significant Other Program – Minneapolis Landscape Arboretum				
10:45 am – 12:10 pm	5A – The Role of Nuclear Energy in District Energy Systems <i>Lakeshore A/B/C</i> <i>Moderator: Jennifer Meisenhelder, Jacobs</i>	5B – Maximizing Waste Heat & Renewable Resources for Sustainable District Energy <i>Regency Room</i> <i>Moderator: Pat Guccione, Chem-Aqua</i>	5C –Geothermal & Geo-exchange Innovations <i>Greenway B/C/H/I</i> <i>Moderator: Vance Nall, SmithGroup</i>	5D – Digital Twins in District Energy <i>Greenway D/E/F/G</i> <i>Moderator: Nathan Ninemire, Burns & McDonnell</i>	5E – System Development, Expansion & Optimization <i>Northstar A</i> <i>Moderator: Jenae Batt, Ever-Green Energy</i>
10:45 am – 11:10 am	The eVinci™ Microreactor Will Provide Reliable Power and First-of-a-Kind Nuclear Research Opportunities at Penn State’s University Park Campus - <i>Jennifer Sassaman, Westinghouse Electric Company; Matthew Zerphy, Penn State</i>	Unlocking the Potential of Wastewater Heat Recovery District Systems: Driving Energy Resilience, Savings, and Decarbonization – <i>Devan Zdrenka, Noventa Energy Partners</i>	Master Planning for Geothermal at a Net Zero Life Sciences Campus - <i>Russell Knudson, HGA</i>	Digital Twin: The Role of Machine Data to Optimize Performance and Operations - <i>Brandon Woods, Solar Turbines</i>	Turning Decades of Disorganized Data into a Unified Digital Database for Operational Excellence and Clean Energy Operations at TECO - <i>Norman McDonald, Accruent</i>
11:15 am – 11:40 am	Rapid High-Volume Deployable Reactors in Remote Applications (RHDRA) - <i>Hilary Lane, Nuclear Energy Institute (NEI)</i>	Innovation Elevated with High Temperature Heat Pumps - <i>Rajesh Dixit, Johnson Controls</i>	Procedure for Site Suitability Evaluation for District-scale Geothermal Systems - <i>Jeff D. Quibell, Falcon Engineering Ltd.</i>	New York City’s Steam System Digital Twin: Operational Optimization and Strategic Design - <i>Luca Ferrari, Optit Srl; Josephine Aromando, Con Edison</i>	181 Mercer - A Project that Leverages District Energy to Optimize Building Performance - <i>Andrew Kozak</i>

11:45 am – 12:10 pm	Nuclear Microreactors: Preparing District Campuses for the Future - <i>Jacob Welsh & Kevin Fox, Burns & McDonnell</i>	Leveraging Building Loads to Increase District System Efficiency - <i>Joe Witchger & Chad Helland, HGA</i>	Economic Potential of District Energy Systems using Shallow and Deep Geothermal - <i>Juliet Simpson, National Renewable Energy Laboratory (NREL)</i>	How One of The Largest European District Energy Systems Realizes Multi-Million Annual Savings with A Real-Time Digital Twin - <i>Yvo D. Velthoen & Ard de Reus, Gradyent</i>	Hybrid Building Integration into District Energy Systems - <i>Patrick Villaume, Patterson-Kelley</i>
12:15 pm – 1:25 pm	IDEA Annual Recognition Luncheon – Nicollet Ballroom <i>Sponsored by Burns & McDonnell, Ever-Green Energy, Thermo Systems & Vicinity</i> Passing of the Gavel - Incoming IDEA Chair Remarks – David Woodson, University of Washington				
1:25 pm – 2:05 pm	Dessert and Coffee Networking Break with IDEA Business Partners — Hyatt Exhibit Hall <i>Sponsored by Stanley Consultants</i> Raffle prizes awarded, must be present to win. Poster Presentations – Hyatt Exhibit Hall				
2:10 pm – 6:00 pm	Exhibit Hall & Poster Tear Down — Hyatt Exhibit Hall				
2:10 pm – 4:05 pm	6A – Strategies for Decarbonization, Electrification & Resilient Energy Systems <i>Lakeshore A/B/C</i> <i>Moderator: Fraser Ringel, Jacobs</i>	6B – Maximizing Waste Heat & Renewable Resources for Sustainable District Energy <i>Regency Room</i> <i>Moderator: Carol Denning, Energy Pathways</i>	6C – Modernizing Legacy Infrastructure for a Sustainable Future <i>Greenway B/C/H/I</i> <i>Moderator: Kevin Voss, PRVN Consultants</i>	6D – District Cooling & Thermal Energy Storage <i>Greenway D/E/F/G</i> <i>Moderator: Jesse Conklin, BOND</i>	6E – Designing and Financing Next Generation DE Systems <i>Northstar A</i> <i>Moderator: Michael Conte, FVB Energy</i>
2:10 pm – 2:35 pm	Challenges of Decarbonization in an Urban Environment: Explosion Risk Mitigation for Transformers in an Underground Substation - <i>Ben Ellison, Creative Energy; Will Wholey, Arup</i>	Redefining Utah’s Energy Future: District Energy & Waste Heat - <i>Jason Owen, Corix; Simon Olivier, Ramboll</i>	Bringing New Life to a 100-year-old Downtown District Energy System - <i>Sean J. McFarling, Ever-Green Energy; Andrew Frechen, Lansing Board of Water & Light</i>	Assessing the Feasibility of Coupling Geothermal Heat Pumps with Underground Thermal Energy Storage - <i>Scott Mello, National Renewable Energy Laboratory</i>	Ambient Loop vs. Four-Pipe System -- A Detailed Economic Case Study Comparison - <i>Mark Spurr, FVB Energy Inc.</i>

2:40 pm – 3:05 pm	Installation of Preinsulated Hydronic Heating Piping by the Directional Bore Method - <i>Christopher Ziu, Nupi Americas, Inc.</i>	City of Vancouver Low Carbon Expansion Project - <i>Abby Dacho, Kerr Wood Leidal</i>	Revolutionizing an Urban Campus: An Update on Mayo Clinic's Utility Transformation - <i>Michael Luster, Mayo Clinic; Blake Ellis, Burns & McDonnell</i>	Non-Phosphorus Cooling Tower Treatment Improving Heat Transfer and Reducing Environmental Impact – <i>Shannon Alshouse, Veolia Water Technologies & Solutions</i>	A Federal-Public-Private Partnership: Advancing District Energy Systems and Utility Optimization – <i>Ian Goepferd, CenTrio; Molly Curtz, Pacific Northwest National Laboratory</i>
3:10 pm – 3:35 pm	The Joint Mission of Resiliency and Sustainability - Replacing A 75-Year-Old Central Utility Plant in An Operating Hospital - <i>Zachary Verbick, KFI Engineers; Steven Waderich, Allina Health</i>	Integrating Large-scale Sewer Heat Recovery in City Centre Energy - <i>Owen Liu, Corix; Christopher David, Lulu Island Energy Company</i>	The Trials and Tribulations of Steam to Hot Water Conversions - <i>Andrew Young, FVB Energy Inc.</i>	San Antonio Water System (SAWS) District Cooling Business Revitalization - <i>Chris Wilcut, San Antonio Water System (SAWS); Joseph Sobocinski, Jacobs</i>	Improved Service Life Estimates for District Heating Pipes: Starting Point for the Implementation of Climate Targets and the Creation of Resilient Future District Heating Systems - <i>Stefan Hay, AGFW</i>
3:40 pm – 4:05 pm	Decarbonizing District Heating with Electric Heaters - <i>James Lewis, Chromalox</i>	Key Considerations in the Development and Applications of Your CHP District Energy System - <i>Matt Quinn, Mead & Hunt</i>	Decarbonizing Urban Buildings and Campuses with Electrification – <i>Brian Mueller, Vicinity</i>	The Proficiency of Possibility - <i>David K. Goetz, Burns & McDonnell; Mason Miller, Centerstream</i>	Distribution Piping System - Total Cost of Ownership Calculations - <i>Nicholas Burgwin, Isoplus</i>
4:05 pm – 4:20 pm	Refreshment Break – <i>Greenway Promenade</i>				

4:25 pm – 5:20 pm	7A – Strategies for Decarbonization, Electrification & Resilient Energy Systems <i>Lakeshore A/B/C</i> Moderator: Morgan Hartman, Trane	7B – Maximizing Waste Heat & Renewable Resources for Sustainable District Energy <i>Regency Room</i> Moderator: Rob Neimeier, Ramboll	7C – Open Loop Strategies for Next-Gen District Energy Systems <i>Greenway B/C/H/I</i> Moderator: Paul Zmick, University of Virginia	7D Legal & Compliance Strategies for District Energy <i>Greenway D/E/F/G</i> Moderator: Laura Duncan, Gilsulate International	
4:25 pm – 4:50 pm	Progress Update on McMaster University's Electrification of Steam DH Network Using 3-Wire Immersion Electrode Steam Boilers - Harry Lam, ZETA Boiler USA LLC	Integrated Thermal Solutions: Maximizing Sustainability with Wastewater and Geothermal Energy Systems - Aaron Miller, SHARC Energy	The Course and The Caveats: Achieving Open Loop Energy Transfer Advantages - Megan Oelze, Salas O'Brien	Building a Better Contract: Aggregating Knowledge, Integrating Goals, Innovating for Change - Jessica Catton Rinaldi, Enwave Energy; Anza D'Antonio, Cordia	
4:55 pm – 5:20 pm	High Temp Heat Pumps Plus Biogas CHP = Increased Capacity and Efficiency - David Traxler & Todd Forrest, Burns & McDonnell	Advancing Sustainable District Energy with Waste-Heat Sorption Heat Transformers - Majid Bahrami, Simon Fraser University	Evaluating Utilization of Geo-Exchange and Heat Pumps to Replace Evaporative Cooling and Improve Energy Efficiency - Marisa Dunning, Salas O'Brien; Robert Spreitzer, Cordia	The Impact of Anti-Greenwashing Regulation in District Energy - Jessica Catton Rinaldi, Enwave Energy	

Thursday, June 5	
7:30 am – 9:00 am	Breakfast Briefing with Pre – Tour Overview Presentation – Regency Room
9:10 am – 1:00 pm	Technical Tours – A - Cordia's Main Plant & Dayton's Plant B – District Energy St. Paul & University of Minnesota Pre – registration is required to attend the Technical Tours.

Poster Exhibits	
Poster 01	Solving Today's Energy Demand for Tomorrow's Grid - <i>Gregory J. Martin & Mike Larson, DTE Vantage</i>
Poster 02	New Closed Loop Horizontal Geothermal Well Solution Using a Continuous Vacuumized Pipe for Direct District Energy and Heat Storage Usage - <i>Ian Silverster, Green Therma</i>
Poster 03	HyAxiom presents NuPower Bridgeport, CT Fuel Cell Project: Ensuring Clean Critical Power to the Grid and Heat to District Customers Based on a Power Purchase Agreement. - <i>Joungjae Kim, HyAxiom</i>
Poster 04	Thermal Energy Storage Project at Hospital Will Reduce GHG Emissions by 95% and Thermal Energy Costs by 40% - <i>Jim Koontz, Rock Energy Storage</i>
Poster 05	Cooling Water Treatment Optimization Saves 10 Million Gallons per Year at Energy Center San Diego – <i>Chris Freeman, Cordia Energy; Anthony Rowen & Jim Rougeaux, Capture H2O</i>
Poster 06	WSP Global Case Studies - <i>Philip Jonat, WSP</i>
Poster 07	Penn State Health Milton S. Hershey Medical Center: Energy Recovery, Resilience, and Sustainability Project – <i>Katie Bickford, Joanne Barrett, Darren Wagner, Grant Willsie, & Greg Foote, NLine Energy</i>
Poster 08	District Cooling Plant Optimization Using Machine Learning - <i>Veerendran Krishnan, Empower</i>
Poster 09	Sydney International Airport Chilled Water Plant Optimization – <i>Andy McMahon & Jamie Hahn, Exergenics</i>