

### Monday, June 22

3:00 pm – 5:00 pm	<b>Registration Open – Rideau Canal Atrium</b>
-------------------	--

### Tuesday, June 23

6:00 am – 2:00 pm	<b>IDEA Annual Golf Tournament – Pine View Golf Course</b>
7:00 am – 7:00 pm	<b>Registration Open – Rideau Canal Atrium</b>
8:00 am – 4:00 pm	<b>Exhibit Setup – Canada Hall 1&amp;2</b>
7:00 am – 7:55 am	<b>Workshop Breakfast – Trillium Ballroom</b>
7:15 am – 7:45 am	<b>Workshop Speaker Orientation Meeting – Salon 210</b> Workshop Moderators and Speakers scheduled to present on Tuesday must attend. Coffee and Breakfast will be served.
8:00 am – 3:00 pm	<b>Workshop 1: TENs Market Development – Salon 205/207</b>
8:00 am – 3:00 pm	<b>Workshop #2: District Energy &amp; Data Centers – Salon 206/208</b>
12:00 pm – 3:00 pm	<b>DE 101 &amp; YPG Forum – Salon 214</b>
10:00 am – 4:00 pm	<b>Poster Presentation Setup – Parliament Foyer</b>
3:05 pm – 4:10 pm	<b>Forums – Open meetings for IDEA members to discuss current industry issues by specialty area.</b> <ul style="list-style-type: none"> <li>• <b>District Cooling Forum – Salon 201</b></li> <li>• <b>Future Energy Forum – Salon 202</b></li> <li>• <b>Industry Leaders Forum – (intended for General Manager, President and C Level DE Operating System members) – Salon 209</b></li> <li>• <b>District Energy Women’s Initiative (DEWI) – Salon 210</b></li> <li>• <b>Safety &amp; Operations – Salon 212</b></li> </ul>
4:15 pm – 5:45 pm	<b>Ribbon Cutting to Open Exhibit Hall for Business Partners Welcome Reception – Canada Hall 1&amp;2</b> <b>Poster Presentations – Parliament Foyer</b>
6:00 pm – 9:00 pm	<b>Special Ribbon-Cutting Celebration for ESAP at Cliff Energy Centre (Due to size and security constraints, event is invitation only)</b>

Wednesday, June 24	
7:00 am – 6:30 pm	<b>Registration Open – Rideau Canal Atrium</b>
7:00 am – 7:50 am	<b>Breakfast with IDEA Business Partners – Canada Hall 1&amp;2</b>
7:15 am – 7:45 am	<b>Speaker Orientation Meeting – Trillium Ballroom</b> Speakers scheduled to present on Wednesday must attend. Coffee and Breakfast will be served.
8:00 am – 8:20 am	<b>Conference Opening – Confederation Ballroom, 4<sup>th</sup> Floor (Westin Ottawa)</b> <b>Introductions – Robert Thornton, IDEA President &amp; CEO</b> <b>Welcome to IDEA – David Woodson</b> <b>Welcome to Ottawa</b> <b>Tribal Land Acknowledgment</b>
8:20 am – 9:15 am	<b>Opening Plenary Panel 1: A Discussion Among Industry Leaders - Connecting Networks – Confederation Ballroom, 4<sup>th</sup> Floor (Westin Ottawa)</b> <i>Panelists Include:</i> <i>Tom Burton, General Manager - Energy Services Acquisition Program, EQUANS Services</i> <i>Carlyle Coutinho, CEO, Enwave</i> <i>Mike Crawley, Executive Chair, Creative Energy</i> <i>Jake Graff, President – North &amp; West Regions. Cordia</i> <i>Kevin Hagerty, President &amp; CEO, Vicinity Energy</i> <i>Eric Miller, Chief Executive Officer, CenTrio</i> <i>Lisa Sparrow, President &amp; CEO, Corix</i>
9:15 am – 10:15 am	<b>Plenary Panel 2: Global Leaders – An International Perspective on Momentum in District Energy – Confederation Ballroom, 4<sup>th</sup> Floor (Westin Ottawa)</b> <i>Panelists Include:</i> <i>Ahmad Bin Shafar, CEO, Empower</i> <i>Samuel Chatterton, Johnson Controls, Inc.</i> <i>Andrej Jentsch, Program Manager, IEA DHC</i> <i>Conall Mahon, Senior Specialist, District Heating Centre of Excellence, Sustainable Energy Authority of Ireland</i> <i>Cristina Mariaca, International Coordinator DEFP, United Nations Industrial Development Organization (UNIDO)</i> <i>Meghan Reisterer, Second Vice Chair, International District Energy Association</i> <i>Tomasz Smetny-Sowa, Senior Program Director, Energy Services Acquisition Program (ESAP)</i> <i>David Woodson, Executive Director, UW Facilities - Campus, Energy, Utilities, and Operations, University of Washington</i>
10:15 am – 10:55 am	<b>Refreshment Break with IDEA Business Partners – Canada Hall 1&amp;2</b>
	<b>Poster Presentations – Parliament Foyer</b>

11:00 am – 12:25 pm	<b>1A – ESAP Symposium</b> <i>Salon 205/207</i>	<b>1B – Sewer Heat in Action</b> <i>Salon 206/208</i>	<b>1C – Rewiring the Plant: Practical Pathways to Low-Carbon District Energy</b> <i>Salon 213/215</i>	<b>1D – Integrating Systems at Scale</b> <i>Salon 214</i>	<b>1E – System Development, Expansion, and Modernization</b> <i>Trillium Ballroom</i>
11:00 am – 11:25 am	<b>Why a P3 &amp; Procurement Foundations – PSPC, FVB Energy</b>	<b>Engineering Big Impact in Small Spaces: Lonsdale Energy's Urban Heat Recovery Centre</b> - Justin Chin, Introba; Luke Gillies, Lonsdale Energy	<b>Innovations and Lessons from Utah City's Modular Central Utility Plant: Real-World Cost and Schedule Advantages</b> - Trevor Mays, UMC; Jeff Giffin, Corix	<b>Leveraging District Energy to Overcome Electric Infrastructure Limitations in Large-Scale Redevelopment</b> - Simon Olivieri, Ramboll	<b>From Legacy Equipment to District Integration: The Transformation of Houston Center</b> - Paul Sierra, Jim Riley & Tim Kearns, CenTrio
11:30 am – 11:55 am		<b>The City Of Vancouver's Neighbourhood Energy Utility: How It Started, Where We Are Today, And Where We Are Headed</b> - Derek Pope, City of Vancouver	<b>Using Waste-to-Energy in Burnaby's Low Carbon DES</b> - Bryn Elliott, FVB Energy Inc; James Lota, City of Burnaby	<b>Sector Coupling: Smart Electrification Through District Energy</b> - Shiva Prakash, Corix	<b>Executing the Next Chapter: SAWS District Cooling System Transformation</b> - Jesse Cabrera, Stanley Consultants, Inc.; Orlando Cruz, San Antonio Water System
12:00 pm – 12:25 pm		<b>National Western Center Sewer Heat Recovery System</b> - Tim Kearns, Marcus Lew, & Jim Riley, CenTrio Energy	<b>Reducing Carbon Emissions Through Chiller Electrification, Vent Steam Elimination, And Gas Turbine Cogeneration</b> - Jordan Garroway & Craig Avalone, RED-Rochester	<b>Utah City: Breaking Ground on a Sustainable Future</b> - Derek Nelson, Corix	<b>One Team, One Mission: Lessons in Delivering a \$500M+ Utility Infrastructure Program for a Major Healthcare Campus</b> - Blake Ellis, Burns & McDonnell; Jack Rol, Mayo Clinic; Keane McWaters, Knutson Construction
12:30 pm – 2:00 pm	<b>IDEA Annual Awards Luncheon with special event – Signing Ceremony for a Global Memorandum of Understanding – Confederation Ballroom, 4<sup>th</sup> Floor (Westin Ottawa)</b>				
2:00 pm – 2:40 pm	<b>Dessert and Coffee Networking Break with IDEA Business Partners – Canada Hall 1&amp;2</b>				
	<b>Poster Presentations – Parliament Foyer</b>				

2:45 pm – 3:40 pm	<b>2A – ESAP Symposium</b> <i>Salon 205/207</i>	<b>2B – Unlocking Energy Potential with Sewer Heat Recovery</b> <i>Salon 206/208</i>	<b>2C – Rethinking Delivery: Financing and Business Models for District Energy</b> <i>Salon 213/215</i>	<b>2D – Policy to Practice: How Codes and Municipal Decisions Shape District Energy</b> <i>Salon 214</i>	<b>2E – Heat Pumps at Scale: Technology and Deployment</b> <i>Trillium Ballroom</i>
2:45 pm – 3:10 pm	<b>P3 Design, Construction, Commissioning – PCL; WSP; bbb; B&amp;M</b>	<b>Unlocking Urban Energy: Sewer Heat Recovery for Surrey's District Energy Expansion - Aaron McCartie, Associated Engineering; Ayman Fahmy, Kerr Wood Leidal Associates</b>	<b>Energy as a Service – Leslie Fangman, Fangman Associates</b>	<b>The Coded Design: How Developing Building Codes May Drive System Design and Systems May Create New Building Designs - Patrick Villaume, Patterson-Kelley; Richard Lord, Carrier Corporation</b>	<b>Future Ready High Capacity High Temperature Heat Pumps - Rajesh Dixit, Johnson Controls</b>
3:15 pm – 3:40 pm			<b>Driving Low-Carbon Outcomes Through Sustainability-Linked Finance - Sarah Bertollo, Enwave</b>	<b>Lessons Learned from a Municipal Perspective: How the Town of Whitby Started Down a District Energy Path and Ended Up with Canada's First Net Zero Multi-Sport Complex Instead - John Rathbone, Rathco ENG; Sarah Shields, Town of Whitby</b>	<b>Harnessing the Air: World's Largest Air-to-Water Heat Pump for District Heating in Helsinki Finland - Mobola Dosumu &amp; Alexandre de Rougemont, Everllence</b>
3:45 pm – 4:25 pm	<b>Refreshment Break with IDEA Business Partners – Canada Hall 1&amp;2</b>				
	<b>Poster Presentations – Parliament Foyer</b>				
4:30 pm – 5:25 pm	<b>3A – ESAP Symposium</b> <i>Salon 205/207</i>	<b>3B – Tapping the Sewer: Data, Design, and Deployment of Wastewater Heat</b> <i>Salon 206/208</i>	<b>3C – International District Energy Progress</b> <i>Salon 213/215</i>	<b>3D – Planning and Modeling the Energy Transition</b> <i>Salon 214</i>	<b>3E – Hybrid &amp; Distributed Thermal Systems</b> <i>Trillium Ballroom</i>
4:30 pm – 4:55 pm	<b>Transition, Operations and the Future – Equans; B&amp;M; PSPC</b>	<b>Urban Waste Heat Map of Canada - Raymond Boulter, Natural Resources Canada</b>	<b>International Status Updates - IEA DHC TCP ExCo Members</b>	<b>Maryland's Approach to State-Wide Renewal for Decarbonization: Modeling for Insights to Make Informed Decisions - Angela Pakes &amp; Josh Hays, Salas O'Brien</b>	<b>Supplying In-Suite Heat Pumps with District Energy: A Unique Approach - Chris Wilson, Enwave Energy</b>

5:00 pm – 5:25 pm		<b>Sewage Temperature Analysis – Trends and Insights from One of Canada’s Largest Sanitary Networks (Peel Region) - Farshad Salehzadeh, Peel Region</b>		<b>Bold Vision, Dynamic Planning, Balanced Energy: Rethinking Data Centres at Steelport - Jean-Philippe Drouin-Bouffard, Ecosystem Energy Services; Steven Dejonckheere, Slate Asset Management; Ryan Rogers, Hamilton Community Enterprises</b>	<b>Extending Geothermal Performance with Hybrid Air-Source Integration in Land-Constrained Thermal Networks - Laura Christie, CHA Solutions</b>
5:30 pm – 6:45 pm	<b>Reception with Business Partners in the Exhibit Hall – Canada Hall 1&amp;2</b>				
	<b>Poster Presentations – Parliament Foyer</b>				

### Thursday, June 25

7:00 am – 5:00 pm	<b>Registration Open – Rideau Canal Atrium</b>
7:00 am – 7:50 am	Breakfast with IDEA Business Partners – Canada Hall 1&2
7:15 am – 7:45 am	<b>Speaker Orientation Meeting – Trillium Ballroom</b> All speakers scheduled to present on Thursday must attend. Coffee and Breakfast will be served.
8:00 am – 8:55 am	<b>IDEA Achievements and Industry Recognition Award Session – Confederation Ballroom, 4<sup>th</sup> Floor (Westin Ottawa)</b>
9:00 am – 9:55 am	<b>Plenary Panel 3: District Energy Sector Coupling – Beneficial Assets in a More Electrified Economy – Confederation Ballroom, 4<sup>th</sup> Floor (Westin Ottawa)</b> <i>Panelists Include:</i> <i>Frank Cuomo, Director – Commodity Operations, Consolidated Edison</i> <i>Kevin Wallace, Senior Program Manager, BC Hydro</i> <i>Lars Gullev, CEO, Gullev DH Advisory</i> <i>Valerie Bennett, Director, Regulatory &amp; Commercial Affairs, Oshawa Power</i>  <b>Moderated by Katherine Sparkes, Vice President, Grid Solutions, Enwave</b>
10:00 am – 10:40 am	<b>Refreshment Break with IDEA Business Partners – Canada Hall 1&amp;2</b>
	<b>Poster Presentations – Parliament Foyer</b>

10:45 am – 12:10 pm	4A – From Steam to Hot Water: Strategies, Implementation, and Results <i>Salon 205/207</i>	4B – Geo Systems Deep Dive: Design, Performance, and Optimization <i>Salon 206/208</i>	4C – From Policy to Projects: Unlocking District Energy Through Strategy and Funding <i>Salon 213/215</i>	4D – Delivering Next-Generation Thermal Energy Systems <i>Salon 214</i>	4E – Community Thermal Networks <i>Trillium Ballroom</i>
10:45 am – 11:10 am	<b>Strategies for Converting Steam District Heating to Low Temperature Hot Water in Legacy Tunnel Networks</b> - <i>Mark Cohen, J.L. Richards &amp; Associates</i>	<b>Aligning Cost &amp; Carbon, Capacity: Decision Science for Geothermal in Industrial Thermal Networks</b> - <i>Angela Pakes, Josh Hays, &amp; Jeremy Beatty, Salas O'Brien</i>	<b>District Energy Readiness: Guidelines for Existing and New Buildings</b> - <i>Ghina Annan &amp; Jeff Schroeder, Stantec</i>	<b>Capturing Particle Accelerator Waste Heat at UBC's Neighbourhood District Energy System</b> - <i>Shiva Prakash, Corix</i>	<b>Global Strategy &amp; Learnings from the Launch of a Geothermal Network Program at the International Finance Corporation (IFC) of the World Bank Group</b> - <i>Zeyneb Magavi, HEET; Eric Bosworth, Thermal Energy Insights</i>
11:15 am – 11:40 am	<b>ESAP-Ottawa Hot Water Piping Extravaganza</b> - <i>Carl Vreugde, GF Urecon Ltd.</i>	<b>A Holistic Approach to Hospital Campus Emissions Reduction</b> - <i>Andrew Kozak, BR+A Consulting Engineers</i>	<b>Advancing District Energy Projects with the Green Municipal Fund</b> - <i>Nathalie Lapointe, Federation of Canadian Municipalities</i>	<b>Designing for Growth: Phased District Energy Models from Ielam and False Creek NEU</b> - <i>Aaron Miller, SHARC Energy</i>	<b>Decarbonizing A Neighborhood with Michigan's First Municipal Geothermal Utility</b> - <i>Shoshannah Lenski, Ann Arbor Sustainable Energy Utility</i>
11:45 am-12:10 pm	<b>Early Results of Steam to Hot Water Peak Heating Demand Reductions for ESAP Buildings in Ottawa.</b> - <i>Andrew Young, FVB Energy Inc.; Sean Russell, Equans</i>	<b>Alexandra District Energy Utility – 10 Years Later</b> - <i>Constantino Retes, Lulu Island Energy Company; Ayman Fahmy, Kerr Wood Leidal Associates</i>	<b>Navigating District Energy Decarbonization Through Government Relations</b> - <i>Darrel Tremaine &amp; Ian Goepferd, CenTrio</i>	<b>Scaling Community Energy Infrastructure: Implementing District Energy Expansion in Hamilton</b> - <i>Mairead Kennedy, Rathco ENG Ltd.; Ryan Rogers, Hamilton Community Enterprises</i>	<b>Low-Carbon Energy for Beaver Barracks' Affordable Housing: A Decade of Impact</b> - <i>Alexis Omilion, Corix</i>
12:15 pm – 1:45 pm	<b>IDEA Annual Business Meeting and Recognition Luncheon</b> – <i>Confederation Ballroom, 4<sup>th</sup> Floor (Westin Ottawa)</i>				
1:50 pm – 2:25 pm	<b>Dessert and Coffee Networking Break with IDEA Business Partners</b> — <i>Canada Hall 1&amp;2 (Raffle prizes to be awarded, must be present to win.)</i> <b>Poster Presentations</b> – <i>Parliament Foyer</i>				
2:25 pm – 6:00 pm	<b>Exhibit Hall Tear Down</b> — <i>Canada Hall 1 &amp; 2</i>				

2:30 pm – 3:25 pm	<b>5A – TENs Performance, Validation, and Next-Gen Models</b> <i>Salon 205/207</i>	<b>5B – Capturing and Delivering Value Through District Energy</b> <i>Salon 206/208</i>	<b>5C – Digital Tools for Decarbonization</b> <i>Salon 213/215</i>	<b>5D – Flexible Pathways to Deep Decarbonization</b> <i>Salon 214</i>	<b>5E – Financing and Legal Strategies for Energy Projects</b> <i>Trillium Ballroom</i>
2:30 pm – 2:55 pm	<b>Calibrated Hydraulics: Strengthening Confidence in Thermal Energy Network Modeling</b> - Amber MacNeill, Kerr Wood Leidal Associates Ltd	<b>6 Pipes, A Large River Crossing, Congested Streets, And Tight Timelines! Overcoming Engineering Design Challenges at the Zibi District Energy System</b> - John Rathbone, Rathco ENG	<b>Learnings from Scandinavia: How Decarbonization and Digital Twins Drive Value in District Energy</b> - Yvo Velthoen, Gradyent	<b>Bracht: A Real Case of Community Scale Fast and Cost-Effective Deep Decarbonization</b> - Lucio Mesquita, Natural Resources Canada - CanmetENERGY; Klaus Vajen, Kassel University	<b>Financing Energy Projects - Third Party Models</b> - Elise Heath, Kyotherm
3:00 pm – 3:25 pm	<b>Thermal Storage as a Resiliency and Performance Enhancement in Ambient Loop Thermal Energy Networks</b> – Matthew Lane, CHA Solutions	<b>Zibi Community Utility - Lessons Learned After 4 Years of Operation</b> - Philippe Gauthier & Maxime Thellend, Équinox Stratégies Inc.	<b>NLR Digital Twin Unifies Planning and Real-Time Data to Optimize Campus Systems, and Guide a Flexible TEN</b> - Michelle Slovensky, National Renewable Energy Laboratory; Calum Thompson, AECOM	<b>Flexible Power Solution for the Evolving Energy Landscape</b> - Kimberly Cruz, Solar Turbines	<b>Grand Designs: Legal Implications of Significant System Changes</b> - Aaron Atcheson, Miller Thomson LLP
3:30 pm – 3:45 pm	<b>Refreshment Break – Rideau Canal Atrium</b>				
3:50 pm – 5:20pm	<b>6A – Delivering Low-Carbon Systems: Real-World Implementation Pathways</b> <i>Salon 205/207</i>	<b>6B – Scaling Wastewater Energy: From Study to City-Scale Systems</b> <i>Salon 206/208</i>	<b>6C Smarter Systems: Data, AI, and Digital Tools for Optimization</b> <i>Salon 213/215</i>	<b>6D – Optimizing District Cooling</b> <i>Salon 214</i>	
3:50 pm – 4:15 pm	<b>Enwave’s Next-Generation Energy-from-Waste Expansion in PEI</b> - David Godkin, Enwave Energy Corporation	<b>Technical and Financial Feasibility of a Large-Scale Wastewater Thermal Energy Recovery System for the Decarbonization of Downtown Denver</b> - Blair Wisdom, Metro Water Recovery; Simon Olivieri, Ramboll; Mustafa Elbehery, FVB Energy	<b>Operators, Data, and AI - Cordia's Performance Optimization Roadmap</b> - Eoin O’Driscoll, Data System Analysts (DSA Inc); Joe Witchger, HGA; Kiel Ford, Cordia	<b>Thermal Energy Storage (TES) for Data Centers</b> - Justin Kline, CB&I	

4:20 pm – 4:45 pm	<b>District Heating + Local Biomass Combined Heat and Power - A Powerful Combination for Economic Development and Energy Security</b> - <i>Jamie Stephen, Tom Antle, &amp; Jean Blair, TorchLight</i>	<b>Role of District Energy for the Electrification of Canada's Largest Social Housing Building Portfolio</b> - <i>Fernando Carou &amp; Jack Bolland, Toronto Community Housing Corporation</i>	<b>Strategic Decarbonization of District Energy Systems: A Tool to Design Decarbonization Pathways</b> - <i>Luca Ferrari, Optit Corp</i>	<b>District Cooling Development Varberg, Sweden</b> - <i>Bernt J G. Andersson, FVB Sverige AB</i>
4:50 pm – 5:20 pm	<b>Oakridge Energy Low Carbon District Energy System</b> - <i>Jordan Eichorn, Oakridge Energy</i>	<b>Senakw Zero Carbon District Energy System</b> - <i>Carly Wolfe &amp; Keith J. Bate, Creative Energy</i>	<b>Electrifying Healthcare: How Radboudumc Improved Energy Performance Through Streamlined Engineering Data Management</b> - <i>Israel Ortiz, Accruent</i>	<b>Western University: Expanding The Energy Network, Increasing Resiliency and Lowering Emissions One Building Retrofit at a Time.</b> - <i>Alexandre Briere, Eequinox; Joan Ang &amp; Heather Hyde, Western University</i>

### Friday, June 26

7:30 am – 9:00 am	<b>Technical Tour Breakfast – Briefings on Tour Locations</b> – <i>Governor General Ballroom II/III, Level 4 (Westin Ottawa)</i>
9:15 am – 1:00 pm	<b>Technical Tours</b> <b>Technical Tour A:</b> ESAP's Interconnected Energy Centres – <i>Cliff, Tunney's Pasture</i> <b>Technical Tour B:</b> ESAP's Interconnected Energy Centres – <i>Gatineau and Zibi's Central Plant</i>

### Poster Exhibits – Parliament Foyer

Poster 01	<b>Finding the Balance Between Modernization of Electrical System Protection and Reutilization of Legacy Systems</b> - <i>Bryson Upper, CHA Consulting</i>
Poster 02	<b>Closing the Skilled Labor Gap in Central Plants with AI/Machine Learning</b> - <i>Mark Thompson &amp; Kate Anderson, Johnson Controls</i>
Poster 03	<b>Chiller Plant Design and Considerations for a 1 GW AI Factory</b> - <i>Dan Gentry, Trane</i>
Poster 04	<b>A Simulation-Based Transition from a Unidirectional to a Bidirectional District Heating and Cooling System through Data Centre Prosumer Integration</b> - <i>University of Alberta</i>
Poster 05	<b>One Tulip at a Time: Micro-Decarbonization District Energy in Action</b> - <i>Todd Hopwood, Siemens Energy</i>
Poster 06	<b>Lessons Learned from Swiss Next-Generation District Energy Systems</b> - <i>Mohammadreza Kolahi, University of Geneva</i>
Poster 07	<b>Cooling Tower Thermal Evaluation and Test Preparation</b> - <i>Ken Hennon, CleanAir Engineering</i>
Poster 08	<b>Development of Optimal Control Algorithms for District Cooling</b> - <i>Ryota Hayashi, Masashi Daimo &amp; Hiroyuki Yamamoto, Mitsubishi Heavy Industries Thermal Systems, Ltd.</i>
Poster 09	<b>Enabling Next-Generation Research with High Performance Computing (HPC) and Efficient Liquid Cooling at SciNet's HPC Centre</b> - <i>Bernard Oegema, Siemens Canada; Daniel Gruner, SciNet High Performance Computing Consortium, University of Toronto</i>

Poster 10	<b>Susan Fennell Sportsplex: Net Zero through Geothermal Retrofit</b> - <i>Daood Ilyas, Johnson Controls, Inc.</i>
Poster 11	<b>Film-Forming Amines in Water Treatment: A Strategic Shift for Corrosion Control, Water Savings and Simplified Operations in District Energy Systems</b> - <i>Logan Manaranche, Odyssey USA Inc.</i>
Poster 12	<b>The "Invisible" Retrofit: Implementing Intelligent Zoning to Enable 4GDH and Waste Heat Integration in Legacy Grids</b> - <i>Ronak Monga, Grundfos</i>
Poster 13	<b>Direct Transfer Trip (DTT) design and implementation for Hershey Medical Center</b> - <i>Esam Darweesh, CHA Consulting; Kevin Kanoff, Penn State Health Milton S. Hershey Medical Center</i>
Poster 14	<b>Construction Without Disruption: Keeping Your Facility Online During a Major Electrical System Upgrade and Facility Modernization</b> - <i>Taha Mohammed &amp; Ian Smith, CDM Smith</i>
Poster 15	<b>Area-Based Thermal Energy Planning in the City of Austin</b> – <i>Paige Davis, Austin Energy</i>
Poster 16	<b>Advanced membraneless microfluidic thermally regenerative battery with optimized electrode configuration for sustainable energy recovery at low-flow rates</b> – <i>Haleh Baghernavehsi, Laval University</i>
Poster 17	<b>Delivering and Expanding Modern District Energy Systems: Lessons Learned from ESAP Ottawa and Strategies for Growth in Urban Environments</b> – <i>Emil Haddad &amp; Alex McCardle, FVB Energy, Inc.</i>
Poster 18	<b>Campus Energy Planning: A Systematic Approach to Achieving Decarbonization</b> – <i>Melissa Love, FVB Energy, Inc.</i>
Poster 19	<b>Nuclear Renewable Hybrid Energy System Architecture Modelling: A Sustainable Perspective on Multi-Objective Optimization</b> – <i>Ayman Mahmoud, Canadian Nuclear Laboratories</i>
Poster 20	<b>Designing the Future of Healthcare Infrastructure: A Case Study in Utility Plant Design at Mayo Clinic</b> – <i>Nicholas Rauth, Burns &amp; McDonnell</i>