

Workshop: Decarbonizing with District Energy

Location: Continental Ballroom A

Preliminary Program as of 5.23.2023
TIMES AND CONTENT SUBJECT TO CHANGE

Monday, June 5	
7:00 am – 7:00 pm	Registration Open – 8th Street North
7:00 am – 8:00 am	Workshop Breakfast – Continental Ballroom B (Breakfast for all registered workshop attendees.)
7:20 am – 7:50 am	Workshop Speaker and Moderator Orientation Meeting – Stevens Salon A-5
8:00 am – 8:10 am	Workshop Introduction – Gerard MacDonald, Reshape Infrastructure Strategies; Ayman Fahmy, KWL
	Session 1: Level Setting – State, Provincial and Local Policies Moderator: Gerard MacDonald, Reshape Infrastructure Strategies
8:10 am – 9:10 am	State, provincial and local climate change policies often focus at the building level and favor electrification, requiring attention and action by district energy providers. The discussion will focus on understanding local policy initiatives to better enable district energy thermal aggregation to compete as a low-carbon solution.
	Session 2: Planning for Decarbonization Moderators: Gerard MacDonald, Reshape Infrastructure Strategies
9:10 am – 10:10 am	District energy providers need to assess asset-based technology options; local, regional regulatory policy considerations and evolution of their customer base. Master planning and road mapping are useful strategies to compete in an increasingly complicated marketplace. <ul style="list-style-type: none"> How to Define Your Energy Decarbonization Study and Write That RFP - Martha Larson, RMF Engineering; Andy Jones, RMF Engineering Decarbonization Roadmap for Large Scale Facilities and Campuses - David Handwork, United Commercial Energy Partners (UCEP) Q&A/Open Discussion
10:10 am – 10:30 am	Refreshment Break – TBD
	Session 3: Low Carbon Heating and Cooling Solutions Moderators: Ayman Fahmy, KWL
10:30 am – 11:30 am	Aggregating thermal needs of multiple customers creates economies of scale to leverage highly efficient, lower-carbon technologies. <ul style="list-style-type: none"> Breaking The Glass Ceiling: De-Carbonized Heating - Rajesh Dixit, Derek Supple, Jonathan McCrea, Johnson Controls Possibilities and Hurdles for Wastewater Heat Pumps in the US – Timothy Erwin, Ramboll Q&A/Open Discussion
11:30 pm – 12:30 pm	Workshop Luncheon – For registered Workshop participants

	Session 4: Strategies for Downtown Systems – Electrification, Integration, and Diversification <i>Moderator: Rob Thornton, IDEA</i>	
12:30 pm – 1:45 pm	<p>Downtown district energy systems often operate in dense, congested settings where the value of space is premium. Customers are seeking both lower-carbon and lower-risk solutions. This discussion will focus on a range of technologies and strategies including electrification, integrating renewables/heat recovery and the challenges of communicating effectively in a complex market.</p> <p><i>Invited panelists include:</i></p> <ul style="list-style-type: none"> • Bruce Ander, President & CEO, Markham District Energy • Frank Cuomo, General Manager, Steam Services, ConEdison • Amy Jacobs, Senior Vice President, Enwave Energy • Kieran McConnell, Senior Vice President, Projects & Engineering, Creative Energy • Brian Mueller, Chief Development Officer, Vicinity Energy • Meghan Riesterer, Chief Sustainability Officer, CenTrio Energy • Seth Whitney, President, Corix Cleveland Thermal 	
1:45 pm – 2:05 pm	Refreshment Break – TBD	
	Session 5: Tapping Local Resources/Surplus Heat <i>Moderators: Ayman Fahmy, KWL</i>	
2:10 pm – 3:10 pm	<p>Heat mapping, energy recovery and surplus heat can be the low-hanging fruit for a district energy network. Valuation and risk mitigation are vital tools to tapping and aggregating low-carbon thermal resources.</p> <ul style="list-style-type: none"> • Utilizing Waste Heat from District Cooling for Distribution in District Heating Systems – Andrew Kozak, Bard Rao + Athanas (BR+A) • District Energy with Biomass CHP and BECCS as a Central Pillar of State and Province Decarbonization – Tom Antle, TorchLight Bioresources • Q&A/Open Discussion 	
	Session 6: Accessing Funding, Strategy and Wrapup Discussion – Where Do We Go From Here? <i>Moderators: Gerard MacDonald, Reshape Infrastructure Strategies & Ayman Fahmy, KWL</i>	
3:10 pm – 4:00 pm	<ul style="list-style-type: none"> • How the Inflation Reduction Act Can Help You Grow and Decarbonize Your District Energy System – Mark Spurr, FVB Energy • Invited industry leaders discuss Canada Infrastructure Bank support for district energy industry. • WrapUp and Closing Discussion 	
4:05 pm – 5:10 pm	<p>Forums – Open meetings for IDEA members to discuss current industry issues by specialty area.</p> <div> <div> Business Development Forum - Stevens Salon A-1 District Cooling Forum – Stevens Salon A-2 Industry Leaders Forum – (intended for General Manager, President and C Level DE Operating System members) – Stevens Salon A-4 </div> <div> District Energy Women’s Initiative (DEWI) -- Stevens Salon A-3 Future Energy Forum – Continental Ballroom A Young Professionals Group (YPG) Forum – Stevens Salon A-5 </div> </div>	
5:15 pm – 6:30 pm	Ribbon Cutting to Open Exhibit Hall for Business Partners Welcome Reception – Salon D	
	Poster Presentations – Continental Foyer Presenters will be available by their posters to answer questions. Poster presentations and presenters are listed at the end of this program and in the conference mobile app.	