



IDEA2024

District Energy for Sustainable Cities

June 17 – 20 | Orlando, FL

Workshop: District Energy for Sustainable Cities

Location: Oceans 1

Preliminary Program as of 4.22.2024
TIMES AND CONTENT SUBJECT TO CHANGE

Monday, June 17

7:00 am – 7:00 pm	Registration Open –
7:00 am – 7:55 am	Workshop Breakfast – (Breakfast for all registered workshop attendees.)
7:20 am – 7:50 am	Workshop Speaker and Moderator Orientation Meeting
8:00 am – 8:30 am	Workshop Introduction - Level Setting & Objectives – Workshop Moderators: Ayman Fahmy & Abby Dacho, KWL; Mark Spurr, FVB Energy
	Session 1: The Push for Electrification – Status, Challenges, and Strategies <i>Moderator: Mark Spurr, FVB Energy</i>
8:30 am – 10:00 am	<p>Local, state, provincial and federal laws, policies, programs and studies aimed at encouraging or mandating electrification are proliferating. This segment will:</p> <ul style="list-style-type: none">• Examine the status of local initiatives in New York, Toronto, Boston, Seattle and other cities, as well as state legislation (i.e Illinois, Washington, Minnesota) and agency studies (e.g. GSA Public Buildings Service).• Discuss the challenges of complying with the push for electrification from the standpoint of building owners, district energy systems and electric/natural gas utilities.• Share and discuss strategies for responding to these challenges from both policy and technical perspectives.
10:00 am – 10:30 am	Refreshment Break –
	Session 2: Thermal Energy Networks (TENS) for Sustainable Cities & Communities <i>Moderator: Ayman Fahmy, KWL</i>
10:30 am – 12:00 pm	<p>Recently, the term “Thermal Energy Networks (TENS)”, has emerged in state and provincial policies as an important decarbonization strategy for heating and cooling buildings. In some instances, electric and natural gas utilities are being encouraged to deploy pilot projects and to invest in thermal networks as part of the energy transition. IDEA members, including multiple IDEA System of the Year Award winners, have utilized a range of business models to integrate low-carbon technologies and structure systems for durable economic growth.</p>
12:00 pm – 1:00 pm	Workshop Luncheon – For registered Workshop participants.

	Session 3: Technology Options for Lower Carbon Solutions <i>Moderator: Abby Dacho, KWL</i>	
1:00 pm – 2:20 pm	<p>Sustainable district heating and cooling systems utilize a range of technologies to adapt to local conditions to optimize lower-carbon resources and leverage opportunities for sector coupling. This discussion will feature:</p> <ul style="list-style-type: none"> • <i>Electrifying and Modernizing Central Plants</i> • <i>Networked Geothermal</i> • <i>Industrial Heat Pumps</i> • <i>Waste Water Recovery</i> • <i>Waste to Energy</i> 	
2:20 pm – 2:40 pm	Refreshment Break	
	Session 4: District Energy for Sustainable Cities – Mobilizing Action <i>Moderator: Mark Spurr, FVB Energy</i>	
2:45 pm – 3:40 pm	<p>Investments in district thermal systems must be both environmentally favorable and economically sustainable. What federal or state/provincial funding sources are available? How does private capital participate? Where is early stage financial support? What steps are involved in mobilizing action?</p> <p>This session will enable discussion with leading experts from across IDEA to share insights and experience on planning, market development, funding, partnering, risk management and policy considerations.</p>	
3:45 pm – 4:00 pm	Workshop Wrap Up – Where Do We Go From Here?	
4:00 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 - District Cooling Forum – Industry Leaders Forum – (<i>intended for General Manager, President and C Level DE Operating System members</i>) </div> <div> District Energy Women’s Initiative (DEWI) -- Future Energy Forum – Young Professionals Group (YPG) Forum – </div> </div>	
5:15 pm – 6:30 pm	Ribbon Cutting and Opening of Exhibit Hall for Business Partners Welcome Reception – Crystal CDE	