



IDEA2018

Local Solutions,
Global Impact

109TH ANNUAL CONFERENCE & TRADE SHOW
June 11-14 | Vancouver Convention Centre | Vancouver, BC

全球区域能源产业大会

加拿大，温哥华

2018年6月11-14日



2018会议主题：本地解决方案，全球影响力

区域能源在温哥华地区得以发展，正在建设多种新型低碳的能源系统。来自全球的国际区域能源组织成员将于6月汇聚于此，赶快制定计划加入吧！

联结 通过与富有经验的能源和城市可持续发展的领导者交流，可以为更有弹性和可持续发展的国际化城市提供一个新型的区域能源发展模式。

参与 与全球的专家在一个学术环境里对于实际案例、商业战略和政策创新等方面进行一场生动、对等的现场和网络互动交流。会后您将带着可操作的知识 and 宝贵的商业关系离开这里。

会晤 将有超过120家技术提供商、创新者和供应商同时参展，汇聚一堂。

参加 在6月11日（星期一）可以参加以下这些特别的学术讨论会。

供热管网发展的可持续途径与成功策略 该讨论会由两部分组成，将提供从实际项目中汲取的见解和经验教训，并探讨新兴能源、建筑法规和政策创新对此产生的影响。



温暖地区的区域能源: 区域制冷, 热电联产、城市、社区和校园的微电网
研讨会由联合国环境区域能源城市倡议会和亚太城市能源协会(APUEA)主办, 这部分研讨会重点讨论在密集的城市部署区域制冷和设置弹性微电网的实际办法, 特别是在亚太地区。

游览 参观当地利用低碳解决方案的区域能源系统, 如污水热回收、生物质、生物燃料、地热和热泵。考察并学习加拿大市政府如何管理这些投资。参观不列颠哥伦比亚省大学的生物能源研究、示范设施和Corix校园能源中心; 亚历山德拉地区能源公用事业单位; 东南虚溪邻里能源实用; 创意能源中心工厂; Corix东部和西部技术学校。

会议组织者



主办单位和支持单位



参展和赞助方式

请通过Tanya Kozel at tanya.idea@districtenergy.org 或者电话 721-541-7913联系。

Workshop 2: District Energy for Warmer Climates: District Cooling, CHP and Microgrids for Cities, Communities and Campuses

Organized by:



*Preliminary Program
TIMES ARE SUBJECT TO CHANGE*

As urban populations densify and expand, especially in warmer climates like Asia Pacific, the need for more efficient, sustainable and resilient energy services increases. Cities, communities and campuses are turning to district energy to support economic growth, enhance resiliency and avoid emissions.

Traditional electric utility models with large, remote central plants are giving way to more distributed generation, renewables and community-scale district energy/CHP/microgrids. Governments, agencies, private and public real estate developers and utility providers are seeking proven options to deliver reliable, affordable energy services, especially to dense urban centers.

This workshop will feature global industry experts sharing experience from real-world cases, enabling deeper discussion on complex issues, with special emphasis on business models and strategies for successful development and financing of district energy systems and microgrids.

The expected audience will include government officials, planning agencies, utility executives, non-regulated subsidiaries, financial and legal experts, planners, developers, real estate executives, city sustainability and resiliency officers, companies with interests in district cooling, district energy, infrastructure investments and international organizations advocating sustainable energy development.

Monday, June 11	
7:00 am – 7:00 pm	Registration Open – East Convention Level Lobby
7:30 am – 8:00 am	Welcome Breakfast for Workshop Attendees
8:00 am – 8:30 am	<p>Welcome & Program Overview – Rob Thornton, IDEA & Mikael Jakobsson, APUEA</p> <p>What is District Energy? – Features and Benefits</p> <ul style="list-style-type: none"> ○ System configurations and industry scale ○ Market drivers and value proposition ○ Role of District Energy/CHP/Microgrids in sustainable, resilient economies ○ Technologies and trends – How is the District Energy industry evolving? ○ Opportunities and challenges for Asia Pacific
8:30 am – 9:15 am	<p>Best Practices in Accelerating District Energy Deployment – Lily Riahi, UNE District Energy in Cities Initiative</p> <p>The UN Environment District Energy in Cities Initiative has been advocating, educating and advancing deployment and expansion of district energy in cities, with special focus on emerging economies. This segment will provide an overview and update on the UNE District Energy Initiative with special focus on recent activities in Asia Pacific.</p>

9:15 am – 10:20 am	<p>Panel Discussion – Perspectives from Expanding Markets Marked by recent rapid growth, industry leaders discuss business models, development strategies, and managing risk in dynamic markets. <i>Invited participants to include: Empower, Tabreed/Engie, Singapore Power, Korea District Heating Corporation, China District Energy Association</i></p>
10:20 am – 10:40 am	Refreshment Break
10:40 am – 11:30 am	<p>Panel Discussion - Understanding Key Success Factors Industry experts discuss market development strategies with primary focus on assessing customer needs, refining the value proposition, properly positioning service offering, estimating load profiles and penetration timing, identifying decision-makers and gatekeepers, engaging local champions, understanding policy drivers, and managing customer expectations. Keys to success include:</p> <ul style="list-style-type: none"> ○ Anchor customers and getting started ○ Right-Sizing demand (installed capacity vs contract capacity) ○ Project phasing and managing lead/lag on capital investment ○ Hurdle rate analysis (balancing capital, managing risk, protecting rates; ROI) ○ Tools and strategies (LOI's; Term Sheets; Life Cycle Analysis; Contract Terms) ○ Understanding and leveraging provincial, state and local policies <p><i>Invited panelists to include: Ken Smith, Ever-Green Energy; Bruce Ander, Markham District Energy; Jim Lodge, NRG Energy; Travis Hickford-Kulak, Corix; Eric Graef, Engie; Trent Berry, Reshape Strategies</i></p>
11:30 am – 12:30 pm	<p>District Energy Tools and Techniques This segment will introduce tools and techniques for technology evaluation, business models and system deployment strategies for district energy, cogeneration, trigeneration, and microgrids featuring industry best practices.</p> <ul style="list-style-type: none"> ○ Planning for District Energy Systems – <i>Danish Perspective (tbd)</i> ○ Aligning Local Action with Global Targets Through Sustainable District Cooling – <i>Clay Nesler, Johnson Controls, Inc</i> ○ Microgrids for Resiliency – <i>ABB (tbd)</i> ○ Making the Most of Your Assets – <i>Juan Ontiveros, University of Texas at Austin</i>
12:30 pm – 1:30 pm	Networking Luncheon – For workshop participants
1:30 pm – 2:15 pm	<p>Panel Discussion – Looking to the Future How can the district energy industry deliver on carbon reduction, resiliency, infrastructure renewal, and economic development in cities, communities and campuses? <i>Invited participants to include: City of Vancouver, BC, City of Pittsburgh, PA, Seattle/Amazon, Harvard University, Dubai Supreme Energy Council, Additional Cities TBD</i></p>
2:15 pm – 3:00 pm	<p>Panel Discussion – Financing, Governance and Operations Industry experts discuss funding the enterprise; competing for and managing public/ private capital; risk mitigation; optimizing rates of return; privatization strategies and monetizing assets; concession agreements and re-financing or re-capitalizing assets. <i>Invited panelists to include Carlyle Coutinho, Enwave; Ramesh Ramadurai, Empower; Karl Marietta, FVB Energy; Michael Schack, Engie</i></p>
3:00 pm – 3:20 pm	Refreshment Break
3:20 pm – 4:20 pm	<p>Meet With the Experts To enable more detailed dialogue and interaction, attendees are invited to sit and talk directly with global industry experts at specialized topic tables on areas of interest including business models, development and financing, technologies, operations, policy and regulations, education and outreach.</p>
4:20 pm – 4:30 pm	Workshop Wrapup – <i>Rob Thornton, IDEA & Mikael Jakobsson, APUEA</i>
4:30 pm – 5:30 pm	IDEA Forums – Open meetings for IDEA members to discuss current industry issues by specialty area.
5:30 pm – 7:00 pm	Exhibit Hall Ribbon Cutting & Opening Business Partners Welcome Reception – <i>East Exhibit Hall B</i>