



# evolvingENERGY

GLOBAL ENERGY LEADERSHIP TRANSFORMING OUR CITIES  
VANCOUVER BC, CANADA | DECEMBER 7-10, 2015

Preliminary Program – 2015-12-01  
TIMES AND CONTENT ARE SUBJECT TO CHANGE

| Monday, December 7  |   |
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| 10:00 am – 7:00 pm  | Registration Open – Grand Ballroom Foyer  |
| 10:00 am – 4:30 pm  | Exhibit Trade Show Set Up – Grand Ballroom CD   |
| 12:00 pm – 2:00 pm  | IDEA Executive Committee Meeting and Luncheon – Invitation only – Chartroom   |
| 1:00 pm – 2:00 pm   | IDEA Board of Directors Luncheon – Invitation only – Parksville   |
| 2:00 pm – 5:00 pm   | IDEA Board of Directors Meeting – Invitation only – Parksville  |
| 5:30 pm – 7:00 pm   | Welcome Reception with Business Partner Exhibitors – Grand Ballroom CD  |
| 7:00 pm – 9:00 pm   | IDEA Board and IEA DHC   CHP Executive Committee Welcome Dinner – Offsite, by invitation only   |
| Tuesday, December 8 |   |
| 7:00 am – 6:30 pm   | Registration Open – Grand Ballroom Foyer  |
| 7:00 am – 8:15 am   | Breakfast with Business Partner Exhibitors – Grand Ballroom CD  |
| 8:15 am – 8:30 am   | <p>Introductions – Rob Thornton, President &amp; CEO, IDEA</p> <p>Welcome Remarks – “Embracing Change” – Bruce Ander, Chair, IDEA <span style="float: right;">LOCATION: Grand Ballroom AB</span></p>  |
| 8:30 am – 10:30 am  | <p><b>International Energy Agency (IEA) Global Experts Panel – Grand Ballroom AB</b></p> <p>Representatives from <b>Canada, Denmark, Finland, Germany, Korea, Norway, Sweden and the UK</b> will share presentations on district energy industry trends, emerging policies, technologies and best practices driving district energy growth and innovation in their respective countries, such as Germany 70/70 Strategy and Danish Climate and Energy Policy. This panel will feature practical, proven examples of district energy as an urban sustainability strategy from <b>Copenhagen, Frankfurt, Helsinki, London, Stockholm and Seoul.</b></p> <p>Invited international representatives include:</p> <ul style="list-style-type: none"> <li>• <b>Canada</b> – Ken Church, Team Leader - Communities, Natural Resources Canada</li> <li>• <b>Denmark</b> – Lars Gullev, Managing Director, VEKS (IEA Vice Chair)</li> <li>• <b>Finland</b> – Antti Kohopää, Adviser, Finnish Energy Industries</li> <li>• <b>Germany</b> – Heiko Huther, Head of R&amp;D, AGFW</li> <li>• <b>Korea</b> – Bongkyung Seo, Finance Director, Korea District Heating Corporation</li> <li>• <b>Norway</b> – Heidi Juhler, Director, Norwegian District Heating Association</li> <li>• <b>Sweden</b> – Åse Myringer, Research Area Director, Energiforsk (Swedish Energy Research Centre)</li> <li>• <b>United Kingdom</b> – Robin Wiltshire, Technical Director, Building Research Establishment (IEA Chair)</li> <li>• <b>United States + Moderator</b> – Rob Thornton, President &amp; CEO, IDEA</li> </ul> |
| 10:30 am – 11:15 am | Refreshment Break with Business Partner Exhibitors – Grand Ballroom CD  |

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| 11:15 am – 12:30 pm | <p><b>District Energy: A Local Perspective – Grand Ballroom AB</b><br/>Distinguished industry executives from North America will share their views on market momentum and new competitive forces. How do local, state or provincial policies drive deployment? How are business models shifting? What are customers expecting from district energy service?<br/>Invited industry executives include:</p> <ul style="list-style-type: none"> <li>• Michael Ahern – Senior Vice President, System Development, Ever-Green Energy</li> <li>• Bruce Ander – President &amp; CEO, Markham District Energy</li> <li>• Stacey Bernier – President &amp; CEO, Creative Energy</li> <li>• Patrick Bohan – Director, District Energy and Combined Heat &amp; Power, ENMAX</li> <li>• Stan Gent – President &amp; CEO, Enwave Seattle</li> <li>• Jim Lodge – Vice President, Alternative Energy Solutions, NRG Energy</li> <li>• Jean-Claude Michel – General Manager, CCUM (<i>invited</i>)</li> </ul>  |
| 12:30 pm – 1:45 pm  | <p><b>Luncheon &amp; Keynote Address: Brian Crowe – Director of Water, Sewers &amp; District Energy – City of Vancouver</b><br/><i>LOCATION: Grand Ballroom CD</i></p>  |
| 1:45 pm – 2:15 pm   | <p><b>Dessert and Coffee with Business Partner Exhibitors – Grand Ballroom CD</b></p>   |
| 2:15 pm – 3:15 pm   | <p><b>Pathways from Paris: Initiatives, Technologies and Policies – Grand Ballroom AB</b><br/>The UNEP District Energy in Cities Initiative cites district energy as critical to cutting emissions and achieving a low carbon urban economy. IDEA industry leaders will share “front-line experience” on deployment of innovative district energy technologies and emerging policies needed to de-carbonize cities and de-risk district energy investment. IDEA is funding a USGBC Task Group to support revisions for treatment of district energy in LEED Version 4. This interactive session will include an update on “cracking the code” for district energy/LEED and feature discussion on emerging deployment strategies amidst a shifting regulatory environment.<br/>Invited participants include:</p> <ul style="list-style-type: none"> <li>• Chris Baber – Neighborhood Energy Manager, City of Vancouver</li> <li>• Tim Griffin – Principal, RMF Engineering</li> <li>• Gerard MacDonald – Principal, Reshape Strategies</li> <li>• Mark Spurr – Principal, FVB Energy</li> </ul>  |
| 3:15 pm – 3:45 pm   | <p><b>Refreshment Break with Business Partner Exhibitors – Grand Ballroom CD</b></p>  |
| 3:45 pm – 5:00 pm   | <p><b>Accelerating District Energy Deployment in Canada: An International Roundtable – Grand Ballroom AB</b><br/>With a new majority government in Ottawa pledging investment in infrastructure, how can the Canadian industry leverage international success to stimulate stronger policies supporting investment in district energy? IEA DHC/CHP executives will engage along with Canadian thought leaders on “how to” transfer effective policies, technologies and strategies from Europe and elsewhere to accelerate federal, provincial and local investment in district energy across Canada.<br/>Invited participants include:</p> <ul style="list-style-type: none"> <li>• Bruce Ander – President &amp; CEO, Markham District Energy, IDEA Chair</li> <li>• Ken Church – Team Leader, Communities, Natural Resources Canada</li> <li>• Richard Damecour – President, FVB Energy, IDEA Board of Directors</li> <li>• Brent Gilmour – Executive Director, QUEST</li> <li>• Lars Gullev – Managing Director, VEKS, IEA Vice Chair</li> <li>• Heiko Huther – Director R &amp; D, AGFW</li> <li>• Robin Wiltshire – Technical Director, Building Research Establishment, IEA Chair</li> </ul> |
| 5:00 pm – 6:30 pm   | <p><b>Reception with Business Partner Exhibitors – Grand Ballroom CD</b></p>  |
| 7:00 pm – 9:00 pm   | <p><b>IEA DHC   CHP Executive Committee Dinner – Offsite, by invitation only</b></p>  |

| Wednesday, December 9 |  |   |
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| All day               | IEA DHC   CHP Implementing Agreement Executive Committee Meeting – Invitation only – Port McNeill. IEA meals will take place in Port Alberni.                      |   |
| 8:00 am – 5:15 pm     | Registration Open – Grand Ballroom Foyer   |   |
| 8:00 am – 9:00 am     | Breakfast with Business Partner Exhibitors – Grand Ballroom CD   |   |
| 8:00 am – 9:00 am     | Canadian Forum Meeting – Grand Ballroom A  |   |
|                       | <b>1A – Planning and Development</b><br>Moderator: Jim Manson, Creative Energy<br>Grand Ballroom A   | <b>1B – Technology Innovations + Microgrids</b><br>Moderator: Eric Moe, UMC Energy Developers<br>Grand Ballroom B |
| 9:00 am – 9:30 am     | Planning and Development of District Energy Systems in the City of Richmond – <i>Alen Postolka, City of Richmond</i>   | Pre-Fabricated Energy Transfer Stations – <i>Jarmo Rissanen, Alfa Laval Nordic</i>                                |
| 9:30 am – 10:00 am    | Sheridan College Goes Danish to Implement Their District Energy – <i>Pernille Overbye, Ramboll</i>   | Thermal Energy Sub-Metering: Sustainability Through Accountability – <i>Dustin Ingram, QMC Metering Solutions</i> |
| 10:00 am – 10:30 am   | Building and Growing A District Energy Business in Alberta: ENMAX District Energy – <i>Patrick Bohan, ENMAX</i>  | Smart Optimization at the Rodman Innovation Pavilion Microgrid – <i>Jason Abiecunas, Black &amp; Veatch</i>       |
| 10:30 am – 11:00 am   | Refreshment Break with Business Partner Exhibitors – Grand Ballroom CD   |   |
|                       | <b>2A – Biomass, Waste Heat Recovery + CHP</b><br>Moderator: John Stremlaw, Solar Turbines<br>Grand Ballroom A   | <b>2B – Optimization + Controls</b><br>Moderator: Mark Vogler, Citizens Thermal<br>Grand Ballroom B               |
| 11:00 am – 11:30 am   | SRIC Willow Crops: An Alternative to Biosolids Disposal While Generating Woody Biomass – <i>Marc Poirier, Bionera Resources; John Lavery, SYLVIS Environmental</i> | Expanding Delta T in Enwave's Cooling System – <i>Carson Gemmill, Enwave Energy</i>                               |
| 11:30 am – 12:00 pm   | Seeking Heat in Sewage – <i>Mike Homenuke, Kerr Wood Leidal; Genevieve Tokgoz, Metro Vancouver</i>   | Use of Innovative Solutions for Energy Savings at UBC – <i>Blair Antcliffe, University of British Columbia</i>    |
| 12:00 pm – 1:30 pm    | IDEA Networking Luncheon – Grand Ballroom CD   |   |
| 1:30 pm – 2:00 pm     | Dessert and Coffee with Business Partner Exhibitors – Grand Ballroom CD  |   |

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|                              | <b>3A – District Energy in Canada + Community Energy Planning</b><br>Moderator: David Kitching, Corix Infrastructure<br><i>Grand Ballroom A</i>  | <b>3B – SYMPOSIUM: A Local Story - University of British Columbia</b><br>Moderator: Paul Holt, University of British Columbia<br><i>Grand Ballroom B</i>  |
| 2:00 pm – 2:30 pm            | The 2014 District Energy Inventory for Canada – <i>John Nyboer, Canadian Industrial Energy and End-use Data and Analysis Centre (CIEEDAC), Simon Fraser University</i>   | <ul style="list-style-type: none"> <li>• Introduction + Overview</li> <li>• Climate Action Plan – <i>Orion Henderson, University of British Columbia</i></li> <li>• From Demonstration to Baseload: Experience with Biomass Cogeneration – <i>Jeff Giffin &amp; James Torcov, University of British Columbia</i></li> <li>• Steam to Hot Water Conversion Project – <i>Paul Holt, University of British Columbia</i></li> <li>• Audience Question &amp; Answer</li> </ul> |
| 2:30 pm – 3:00 pm            | Development and Application of Building Archetype Analysis for Community Energy Planning – <i>Raymond Boulter, Natural Resources Canada</i>  |   |
| 3:00 pm – 3:30 pm            | From Plans to Action: Success Factors for District Energy Implementation – <i>Richard Laszlo, QUEST</i>  |   |
| 3:30 pm – 4:00 pm            | <b>Refreshment Break</b> – Outside of sessions   |   |
|                              | <b>4A – Carbon Reduction Strategies: Tapping the Heat with District Energy</b><br>Moderator: Raymond Monteiro, Enwave Energy<br><i>Grand Ballroom A</i>  | <b>4B – District Energy + CHP Strategies for the Future</b><br>Moderator: Peter Ronson, Markham District Energy<br><i>Grand Ballroom B</i>  |
| 4:00 pm – 4:30 pm            | District Cooling With CHP – <i>Edy Chiarotto, Johnson Controls</i>   | Is Natural Gas CHP a Viable Option for BC? – <i>David Trigg, FVB Energy</i>   |
| 4:30 pm – 5:00 pm            | Energy Exchange Opportunities Leveraging Building & Municipal Wastewater – <i>Rick Lawlor, International Wastewater Systems</i>  | District Energy St. Paul: Strategies for Sustainable Growth – <i>Michael Ahern, Ever-Green Energy</i>   |
| 6:00 pm                      | <b>IEA DHC/CHP Executive Committee Off Site Event</b> - by invitation only<br><i>Conference attendees are encouraged to explore Vancouver, with dinner on their own</i>  |   |
| <b>Thursday, December 10</b> |  |   |
| 8:30 am – 11:30 am           | <b>IEA DHC   CHP Executive Committee Meeting</b> – Invitation only – <i>Port McNeill. IEA meals in Port Alberni.</i>   |   |
| 8:30 am – 9:30 am            | <b>Breakfast and Technical Tour Briefing</b> – <i>Grand Ballroom AB</i>  |   |
| 9:30 am – 12:00 pm           | Technical Tours (optional) – Buses will depart from lobby. Advance tour registration and fee required. <ul style="list-style-type: none"> <li>• Tour A – Creative Energy, Downtown Vancouver and University of British Columbia (UBC)</li> <li>• Tour B – NEU/Southeast False Creek Plant and UniverCity NUS Temp Energy Centre</li> </ul> |   |
| 11:30 am – 3:00 pm           | <b>IEA DHC   CHP Executive Committee Luncheon</b> – Invitation only – <i>Port Alberni</i>  |   |