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GREEN INFRASTRUCTURE

Chaired by
Donald Lidstone, Q.C.
Lidstone & Company

June 15th & 16th, 2011 • Vancouver Convention Centre - West Building • Vancouver, BC



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PORT DE RETOUR GARANTI

CHAIR



Donald Lidstone, Q.C., Lidstone & Company, Vancouver BC. Mr. Lidstone has practised generally in the area of municipal law since 1980. His municipal law focus is in the areas of constitutional, administrative, and environmental law, particularly in respect of governance, land use/sustainable development, regulatory approvals, and legislative drafting. He is co-founder of the Sierra Legal Defence Fund/EcoJustice and Smart Growth BC. Invited to speak regularly at conferences, symposia and universities, he has chaired the Sustainable Region Initiative (Governance and Finance), Liquid Waste Expert Review Panel, Fire Services Review Panel, Whistler Waste Blue Ribbon Panel, and the Municipal Law Section of the British Columbia Branch of the Canadian Bar Association. Mr. Lidstone has published numerous

papers and manuals and consulted on the development of the *British Columbia Community Charter* and other municipal statutes. He was designated Queen's Counsel in 2008.

GREEN INFRASTRUCTURE

Are you up to date on the current state of green infrastructure and how anticipated developments will impact your municipality or company?

Green Infrastructure is essential to both accommodate population growth and achieve a community vision for sustainability and liveability. Municipalities are at the forefront of the green infrastructure movement. To create greener communities, changes will need to be made to existing land use regulations, design guidelines, construction standards, and more.

This conference will provide you with expert advice on the current state of green infrastructure and the anticipated impact of future developments.

ISSUES TO BE ADDRESSED

- The changing role and responsibility of the architectural profession
- Impact of new energy retrofit upgrade requirements in many municipalities
- Key issues in recommissioning/retrofitting and reuse of existing structures
- Impact of *BC Building Code* amendments
- The potential impact of recent US litigation on green infrastructure in Canada
- Current impact of green infrastructure on the construction industry
- Essential issues in land use planning and zoning
- Strengths, challenges and outcomes of municipalities making a carbon neutral commitment
- How to leverage green development for maximum community and developer benefit
- LEED, BOMA, and other building standard codes – understanding the pros and cons
- Impact of Vancouver's decision to require all new buildings to be LEED Gold
- Essential water issues: Green roofs, sediment control, wastewater treatment, water conservation, land use planning for water, water governance, and more.

WHO SHOULD ATTEND:

- Local government officials, officers, councillors and planners
- Municipal directors
- Insurance professionals and risk managers
- Lawyers concentrating on municipal, insurance, environmental, construction or civil law
- Architects, engineers and other design consultants
- Professionals involved in land use planning
- Construction and development company representatives

THE FACULTY



Daniel Artenosi, Associate, Municipal Law Group, McCarthy Tetrault, Toronto, ON. Mr. Artenosi maintains a general planning and development law practice, which includes providing advice and advocacy in matters pertaining to municipal approvals and municipal law. Mr. Artenosi received his BA in Political Science (First Class Honours) from McGill University and his LL.B. from Osgoode Hall Law School. Mr. Artenosi is a member of the Municipal Section of the Ontario Bar Association, the Canadian Bar Association, and the Law Society of Upper Canada.



Ted Battiston, Corporate and Community Energy Manager, Whistler Centre for Sustainability and Resort Municipality of Whistler, Whistler, BC. Mr. Battiston works in a role that directs his attention toward internal municipal policies and operational practices as well as toward the importance of integrating energy and greenhouse gas emissions planning into broader community policies. Through this role, Mr. Battiston has gained six years of experience developing carbon accounting and management practices and compiling detailed energy and emissions inventories for both public and private sector organizations. He has collaborated extensively with the provincial government, BC Hydro, the Union of BC Municipalities, as well as the Federation of Canadian Municipalities on local government responses to the challenges of climate change generally, and to greenhouse gas inventories in particular.



Deborah Curran, Principal, Deborah Curran & Company, Victoria, BC. Ms. Curran is principal of a law firm that is dedicated to developing legal strategies for smart growth, and is a Senior Instructor with the Environmental Law Centre and Faculty of Law at the University of Victoria. Ms. Curran advises local governments and community groups across B.C. on sustainable governance. She teaches Municipal Law, Real Property Transactions, and the advanced Environmental Law Clinic, and is the author of the *Green Bylaws Toolkit* and the *Smart Bylaws Guide* website. Ms. Curran co-founded Smart Growth BC and served as its president for five years, and is currently a board member of the new Whistler Centre for Sustainability.



David Dove, Principal, Busby Perkins+Will, Vancouver, BC. With over 18 years experience in the architecture and interior design fields, Mr. Dove has worked across Canada, the U.S., China and the Middle East. While he currently leads the office's Corporate, Commercial and Civic market sectors, Mr. Dove has worked on a much wider range of projects from interior design projects through to large scale urban planning and infrastructure projects. His work consistently pursues the highest standards of architectural and sustainable achievement, and many of his projects have received awards and recognition for both design and achievement in environmental performance including many LEED certified projects and a 2004 AIA/COTE Top Ten Green Projects award for the White Rock Operations Building. Mr. Dove provides firm oversight, is actively involved in business development, is a member of the firm's internal Design Review Panel and directs several of the offices larger and more complex projects. He has been a member of the Surrey Design Panel, has acted as a design mentor for the RAIC Syllabus program and is a mentor with the AIBC.



Mark Holland, Consultant, HB Lanarc Consultants Inc., Vancouver BC. Mr. Holland is a LEED-accredited planner who holds professional degrees in both Landscape Architecture and Community and Regional Planning. He frequently works closely with development teams to find cost-effective ways of developing in more sustainable ways. Mr. Holland acted as the City of Vancouver's first Manager of its Sustainability Office, with a focus on strategic planning and greenhouse gas management. He served as a city planner, both as a rezoning planner and as the sustainable development planner and project coordinator for policy phase of the Southeast False Creek model sustainable urban development project. Mr. Holland has developed planning concepts and frameworks such as the 8 Pillars of a Sustainable Community, and the Resilient Cities Manifesto in 2009, and has just co-authored a book, *Agricultural Urbanism*. He was selected as one of Vancouver's top 40 under 40 in 2004 by Business in Vancouver Magazine. In 2009, he was appointed to the City of Vancouver's Greenest City Action Team alongside such leaders as Dr. David Suzuki and former BC Premier, Mike Harcourt. In 2010, he was awarded "Planner of the Year", the highest recognition by the Planning Institute of BC.



Lorina Keery, Environmental Manager, Building Owners and Managers Association, Vancouver, BC. As the Environmental Manager for the Building Owners and Managers Association, Ms. Keery manages and administers the BOMA BEST program locally in BC. She also provides assistance to BOMA members with energy management by helping them plan for and implement energy conservation projects and initiatives in their buildings. Both these initiatives work towards the common objective of greening commercial buildings and standardizing industry best practices. Prior to working for BOMA, Ms. Keery developed and delivered environmental education programs for various organizations. She graduated from Simon Fraser University with a Bachelor of Environmental Science, specializing in Biology and Resource and Environmental Management. She is currently studying at BCIT to complete the Sustainable Energy Management program.



Karen Martin, Partner, Fraser Milner Casgrain LLP, Vancouver BC. Ms. Martin is a partner in her firm's Construction & Infrastructure, P3, and Litigation/Dispute Groups. Since the late 1980s, she has acted for contractors, design consultants and owners. She advises clients on how to minimize risk in tenders and RFPs based on deep experience and the latest developments in the law. She provides strategic advice in the preparation of construction and infrastructure contracts designed to avoid disputes, and during the construction phase to resolve project issues expeditiously. When disputes arise, she acts as counsel in the negotiation, mediation, arbitration and litigation of all types of construction claims, including on P3 projects. Ms. Martin is rated in the *Canadian Legal LEXPERT Directory* as "Repeatedly Recommended" in the area of Construction Law and is recognized in *Best Lawyers in Canada* as one of Canada's leading lawyers in construction law.



James M. Miller, Director of Strategic Business Investments, VanCity Group, Vancouver, BC. Mr. Miller is a board director of Dockside Green LP and the Director of Strategic Business Investments and Transformation at Vancity, Canada's largest credit union. At Vancity, Mr. Miller is accountable for corporate development in addition to having accountability for the operations of Dockside Green which is being developed by Vancity. Located in Victoria, Dockside is one of the world's largest master-planned green communities and is located on fifteen acres of former harbor front industrial land. Dockside has a planned total of 1.3 million square feet of mixed residential, office, retail and commercial space. Mr. Miller has a Master of Business Administration from the Queen's School of Business and is a graduate of Simon Fraser University.



Thomas Mueller, President & CEO, Canada Green Building Council, Ottawa, ON. Mr. Mueller is a Founding Director of the Canada Green Building Council (CaGBC). He is a member of the Board of Directors of the World Green Building Council (WGPC) and the International Green Building Certification Institute (IGBC). He is a frequent contributor to government and industry consultations, conferences and other events on green buildings and sustainable community development. Mr. Mueller chaired the LEED BC Steering Committee which was responsible for the first adaptation of the LEED building rating system outside the U.S. He also chaired the Vancouver Chapter of the CaGBC from 2002-2005 and is a past board member of the Cascadia Green Building Council. For his green building work, Mr. Mueller received the 2000 and 2002 Innovation Award from the Architectural Institute of BC and the 2005 FCM - CH2MHill Sustainable Community Award. In 2008, he became a Fellow of the Cascadia Green Building Council. He has been a LEED accredited professional since 2003.



Dave Ramsle, Sustainable Development Program Manager, City of Vancouver, Vancouver, BC. Mr. Ramsle is responsible for developing and delivering programs and policy supporting the development of green infrastructure and green buildings. His work has won national awards. His current projects include developing a strategic plan to achieve city-wide carbon neutral buildings by 2020, implementing a comprehensive building retrofit program and creating a green jobs training program. Mr. Ramsle oversaw the development of Vancouver's Green Homes Program in 2009, recognized as the greenest building code in North America. He serves on the Board of Directors for the Cascadia Regional Green Buildings Council and the Canada Green Building Council's Intergovernmental Affairs Committee. Mr. Ramsle was made a Fellow of the Kinship Conservation Institute in 2003 in recognition for his research into green building markets in residential development.



Gil Yaron, Senior Business & Policy Advisor, Light House Sustainable Building Centre, Vancouver, BC. Mr. Yaron is a lawyer with expertise in environmental research and policy. He practised in the areas of sustainable business, socially responsible investment and corporate governance before working in the sustainable building sector. He is currently working on a Green Building Retrofit Strategy for the City of Vancouver. Mr. Yaron has published numerous articles and presented widely. He has also made numerous submissions on policy issues to all levels of government. He was previously a member of the Ontario Securities Commission's Advisory Committee on Continuous Disclosure and an adjunct professor at UBC's Faculty of Law. Prior to joining Light House, Mr. Yaron was the Director of Law and Policy for the Shareholder Association for Research and Education (SHARE) and founded Frogfile Office Essentials, a triple-bottom line business supplying eco-friendly office products to businesses across Canada.



Elizabeth H. Yip, Partner, McCarthy Tetrault, Vancouver, BC. Practising in the Real Property and Planning Group and the Municipal Group at McCarthy Tetrault, Ms. Yip's practice is focused on commercial real estate. She has been extensively involved in development, acquisitions and sales, real estate financing and commercial leasing. Her experience includes acting for the master developer of the UniverCity Community at Simon Fraser University and the development of numerous mixed-use projects and master communities. She has spoken on sustainable developments extensively. Ms. Yip was called to the British Columbia Bar in 1992 and the Ontario Bar in 1989.

GREEN INFRASTRUCTURE

THE AGENDA — JUNE 15TH, 2011

9:00 Welcome and Introduction to Day One

Donald Lidstone, Q.C.
Lidstone & Company

9:10 Visioning: Architecture for Future Generations

David Dove
Busby Perkins + Will

- The changing role and responsibility of the architectural profession
- Who is our client? Who do we answer to?
- The new consultant team – who are our partners?
- A glimpse into the future: Current green projects

9:55 Questions and Discussion

10:05 Recommissioning / Re-Using / Retrofitting Existing Structures

Gil Yaron
Light House Sustainable Building Centre

- New energy retrofit upgrade requirements in various local municipalities
- Experiences of different jurisdictions with recommissioning/retrofitting and reuse
- The labour challenges facing the operation of high performance buildings

10:50 Questions and Discussion

11:00 Refreshment Adjournment

11:15 Impact of the Green Movement on Construction – Risks and Tips for Success

Karen Martin
Fraser Milner Casgrain LLP

- Legislation and government policy – Federal, Provincial and Local – *BC Building Code* amendments
- Recent US litigation – what does it mean for Canada?
- Liability risks and tips for minimizing risk
- Impact on contract drafting and administration
- P3s and green construction

12:15 Questions and Discussion

12:25 Luncheon Adjournment

1:45 Land Use Planning and Zoning Issues

Donald Lidstone, Q.C.
Lidstone & Company

- Pre-zoning for eco-density and amenities
- Ad hoc zoning for leverage
- District energy systems – pros and cons
- Innovations in zoning, subdivision, development permit and other zoning development approvals
- Vertical cities
- Urban trees and green space

2:35 Questions and Discussion

2:45 Refreshment Adjournment

3:00 Carbon Pricing as a Green Building Tool – The Shift to Carbon Neutral Municipal Operations

Ted Battiston
Whistler Centre for Sustainability

- The changing landscape of carbon management in BC municipalities
- The role of offsets in carbon neutrality commitments
- Strengths, challenges and outcomes of making a carbon neutral commitment

3:45 Questions and Discussion

4:00 Green Economic Development

Mark Holland
HB Lanarc Consultants Inc.

- How to leverage green development for maximum community and developer benefit
- Perspectives on the choice of going green – risk, advantage and differentiation
- A strategic framework for encouraging change – carrots, sticks and relationships
- Green cities: The new normal

4:40 Questions and Discussion

4:50 Chair's Closing Comments

5:00 Conference Concludes for Day One

GREEN INFRASTRUCTURE

THE AGENDA — JUNE 16TH, 2011

9:00 Welcome and Introduction to Day Two

Donald Lidstone, Q.C.
Lidstone & Company

9:10 LEED, BOMA & Other Recent Building Standard Codes: Key Issues

Thomas Mueller BC Canada Green Building Council
Lorina Keery Building Owners and Managers Association

- LEED as a tool for sustainable planning and development - the pros and cons
- Articulating the purpose and effect of LEED rating
- Understanding the differences between the certifications: Which one is really the best? Why?
- Life Cycle Analysis as a methodology for assessing buildings: What is LCA and why it needs to be on your radar
- Impact of LCA for working overseas and what it means for municipalities
- Are the green building certifications achieving what they set out to do?

10:20 Questions and Discussion

10:30 Refreshment Adjournment

10:45 Vancouver's Decision to Require New Buildings to be LEED Gold

David Ramslie
City of Vancouver

- Why LEED? Potential ramifications of this decision?
- How is the burden on certification agencies being addressed?
- Operational ramifications
- Overcoming the "on the ground issues" with documentation, flow, etc.
- Policy issues of concern
- Will other municipalities follow?
- What happens when buildings don't comply?

11:30 Questions and Discussion

11:40 Green Roofs and Other Water Issues

Elizabeth H. Yip McCarthy Tetrault LLP
James M. Miller Vancity Group

- Victoria-Dockside Green
- Green roofs
- Sediment control
- Wastewater treatment

12:25 Questions and Discussion

12:35 Luncheon Adjournment and Tour*

1:50 Water Conservation and Governance

Deborah Curran
Deborah Curran & Company

- The landscape of water conservation in BC – low impact development and water conservation bylaws
- Land use planning for water
- Pricing
- Water governance
- *Water Act* modernization – accommodating ecosystem flows and aboriginal water rights

2:35 Questions and Discussion

2:45 Refreshment Adjournment

3:00 Toronto's New Green Roof Bylaw

Daniel Arsenosi
McCarthy Tetrault LLP

- Mandatory requirements vs. targets
- Too focused on "green roofs"?
- Modified standards for industrial buildings
- Ability to pay your way out

3:45 Questions and Discussion

4:00 Chair's Closing Comments

4:15 Conference Concludes



***Luncheon Tour: The award-winning Vancouver Convention Centre is a green-designed, state-of-the-art facility. Join us during the luncheon adjournment for a complimentary tour of this green building.**

INFORMATION

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3. Mail your registration form with payment
4. Register at www.pbli.com/901

Registration: The registration fee covers your attendance at the conference, written materials, a light breakfast, and refreshments throughout the day.

- General:** \$995.00 plus HST of \$119.40 totalling **\$1,114.40**
- One Day:** Register for one day only for \$650.00 plus GST of \$78.00 totalling **\$728.00.**

Payment: You may pay by VISA, MasterCard or cheque. Cheques should be made payable to the Pacific Business & Law Institute. Registration fees must be paid prior to the conference.

When and Where: Check-in begins at 8:30 a.m. The conference starts at 9:00 a.m. The Vancouver Convention Centre - West Building is located at 1055 Canada Place in Vancouver, BC.

Materials: The faculty will prepare papers and/or other materials explaining many of the points raised during this conference. Please contact us at registrations@pbli.com if you are unable to attend the conference and wish to purchase a set of materials.

Course Accreditation: Attendance at this course can be listed for up to **11 hours** of continuing professional development with the Law Societies of BC and Upper Canada. A Certificate of Attendance will be issued at the conference. Please visit www.pbli.com/edu for more information.

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Cancellations: Full refunds will be given for cancellations if notice is received in writing five full business days prior to the conference (June 7th, 2011). After that time we are unable to refund registration fees. Substitutions will be permitted. We reserve the right to cancel, change or revise the date, faculty, content or venue of this event.

Registration Form Pacific Business & Law Institute

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