

Sustainability Night: Presenter Information



Hannah Brown: Hannah is an Honour's Student from Clayton H. Riddell Faculty of Environment, Earth and Resources. She is completing her final year of her Undergraduate Degree with an Honour's Thesis on Breast Cancer; Links to Personal Care and Household Products. She will be graduating in the spring with hopes of being accepted into the Master of Occupational Therapy program at the University of Manitoba. She has hopes of presenting her Thesis at a Breast Cancer Awareness Conference in the near future to further educate others.



Wayne Cole: Wayne began his focus on financial assessment, modeling and planning over 30 years ago while working for the Vice-President of Corporate Planning and Development, James Richardson & Sons, Ltd. His initial focus in the business operations and investment management area shifted to a strong focus on capital investment analysis and planning in the late 90's. Over the past 30 years, Wayne has directed and supported the financial assessment and modeling for business and capital investment programs involving hundreds of millions of dollars. Over the past 18 years, his concentration on facility renewal capital investments in the real property portfolio field has provided him the opportunity to develop some uniquely compelling investment analysis strategies. These strategies add clarity to the capital investment impact values and liabilities needed to define the total-cost-of-building-ownership (TCBO). Wayne has extensive experience in working with energy end-use building component renewal, energy performance contracting, and the development of facility-based sustainability strategies in the public sector. Over the past 4 years, Wayne has developed a proprietary financial assessment tool called the Sustainable Energy Efficiency Facility Asset Reporting (SEEFAR©) assessment. It has been used to evaluate facility renewal investments at DND, low energy home design, small commercial energy efficiency design, and more recently was used to conduct a comparative assessment of energy configuration construction designs for new homes on behalf of Manitoba Hydro. This study, "Comparative Financial Analysis of Net Home Ownership Value", showed significant TCBO differences between the three home designs.



Marten Duhoux: Marten Duhoux is the chair of the Manitoba Chapter of the Canada Green Building Council and serves as a board member on the national board of the CaGBC as well. Marten grew up in the Netherlands where he received his Master's degree in Architecture from Delft University of Technology. After his graduation, he practiced Architecture in California at Gutierrez Associates. In 2004, Marten and his family moved to Winnipeg and worked for Friesen Tokar Architects (now ft3) He became a partner in 2011. His diverse portfolio reflects a career informed by international experience with a commitment to community building and sustainability. The Canada Green Building Council is most commonly known for its LEED building rating system. However, the CaGBC has been working with the different levels of government in driving policy change and working with industry to reduce the environmental impact of the built environment. In the past few years, the Council introduced WELL Building Standard and GRESB (Green Real Estate Sustainability Benchmark) to Canada. In 2017, the CaGBC developed the Zero Carbon Building Standard to make carbon emissions the key indicator for building performance.



Beverley Eert: In 2010, Bev and her husband returned to Manitoba to pursue their retirement dream: a carbon reduction demonstration project. The photovoltaic-powered, earth-sheltered, passive-solar home is functioning beyond expectation. The garden, greenhouse and orchard are in production. Their new vehicle is a fully electric car. With a later Architecture degree (UBC), Bev has enjoyed careers in both music and construction. She has operated two small businesses: a music studio and later a design-build company. In the 2015 federal election, Bev was the Green candidate in Portage-Lisgar. In 2017, she was elected to represent Manitoba on the Green Party

Federal Council. Bev also represents Brandon Diocese on the Creation Matters Working Group, an Anglican ecological justice program. Keenly aware that each of us must reduce our carbon footprint, Bev is active in both Manitoba Sustainable Energy and Manitoba Electric Vehicle Associations. Bev believes our next big challenge is the development of low-cost sustainable energy for agricultural operations. We must invest in the research necessary to thrive in the post-carbon era.



Zack Gross: Zack is Outreach Coordinator for Fair Trade Manitoba, a program of the Manitoba Council for International Cooperation. MCIC is a coalition of forty international development organizations active in Manitoba. He is also Past President of the Canadian Fair Trade Network and now a Board Member of Fairtrade Canada. Zack has worked in the international development sector for almost 50 years. He also currently facilitates on-line international development courses through the University of British Columbia's Continuing Education Diploma Program, and is a Sessional Lecturer in International Development Studies at Menno Simons College, affiliated with the University of Winnipeg. Zack writes a regular op ed column called

"Small World" in the Brandon Sun, and has recently written for Fair Trade Magazine and The Green Teacher. Living in Manitoba's Interlake Region, he is also on the Board of Evergreen Basic Needs, Gimli's food bank and thrift shop. Zack has received a number of awards including the Queen's Golden Jubilee Medal and Interlake Volunteer of the Year (Finalist) and was nominated as a CBC Champion of Change. A couple of years ago, he was given a Lifetime Achievement Award by Fairtrade Canada.



Kristina Hunter: Kristina teaches sustainability at the U of M in the Environmental Science and Studies programs, and has also taught in the Faculty of Architecture and the Asper MBA program. She thrives on finding new and innovative methods of engaging students on issues of sustainability. She enjoys connecting her students with the Office of Sustainability and outside partners to work on real-world sustainability problem-solving. She is the Co-chair of the Campus Sustainability Committee, she served on the Manitoba Round Table for Sustainability as Vice-chair, and is involved with the local Sustainable Building community. She loves skating on the river in the winter and plays Ultimate Frisbee all year long.



Chris Penner: Chris is a terrestrial ecologist and environmental designer with Scatliff + Miller + Murray Landscape Architects and Planners. He earned his Master's degree in Natural Resources Management and specializes in native upland, riparian and wetland revegetation in urban developments and for environmental mitigation in remote construction projects. Chris also undertakes avian, amphibian and vegetation field assessments in forests and grasslands. This includes targeted surveys for rare and endangered species. His professional experience includes projects that vary in size and complexity for clients that include developers, engineers, universities and government. Mr. Penner is proud to have been involved with ground-breaking

urban design involving the field-scale use of wetland and native upland vegetation in urban developments. This includes wetland-style storm water retention basins (SRB's) which are now seen throughout Winnipeg. This work has set new standards in urban environmental performance as well as in the profession of applied restorative ecology in the Prairie Provinces. Chris joined SMM in 2010 after spending 8 years with Ducks Unlimited Canada (Native Plant Solutions).



Mathew Scammell: Mathew Scammell is in his final year pursuing a Bachelor of Environmental Science degree focusing on Policy & Law. In addition to his studies, he is also a Co-Leader of the Parks Canada Campus Club and the Sustainability Executive for the University of Manitoba chapter of Engineers Without Borders. He has work experience with the Manitoba chapter of Canadian Parks and Wilderness Society, the Plant Science Department at the University of Manitoba, and most recently with Parks Canada while stationed up in Churchill this past summer.



Rob Sinclair: Mr. Sinclair has 40+ years of experience in hydrogeology, geothermal systems, soil remediation, water and wastewater treatment systems as well as solid waste management. As Specialist Advisor, Mr. Sinclair, in conjunction with company principals, provides technical overview for environmental engineering services for the Winnipeg, Thunder Bay, and Regina offices of KGS Group. The Environmental Group includes approximately 40 engineers, scientists, technologists and field technicians. This group provides interdisciplinary support to other KGS groups with direct services in the industrial, municipal, agricultural, commercial and governmental sectors. Rob is currently addressing concepts for summer/winter energy storage for geothermal sustainability.



Kazutoshi Yoshino: Kazutoshi is a doctoral student of the Education for Sustainability and Well-being program in the Faculty of Education at the University of Manitoba. His research interest includes a transformative approach to ecological self and individual potential for a sustainable future, and in-service teacher education for sustainability. He had been working in various educational projects at universities, governmental and international agencies. He received M.A. in Peace Education at the University for Peace and B.A. (Cum Laude) in Philosophy and Peace Studies from the State University of New York at Buffalo.



Linda Yuan Zhou: Linda was born and raised in Qingdao, China. She moved to Winnipeg in 2013 for her Masters in Agribusiness and Agricultural Economics. While in the program she did an exchange at The Centre for Environment and Development Studies (CEMUS) in Uppsala, Sweden. Her first experience in organic farming was at the Blue Lagoon farm, in 2015, and communicated aspects of what she learned in her thesis—Assessing Market Premiums for Organic Certification among Canadian Community Supported Agriculture Programs. In 2016, with her friend Jeanette, she initiated Gathering & Gardening, a self-sustained urban garden project in Winnipeg. Currently, she works as research associate at Phoenix AgriTec where she is experimenting with several workplace green projects.