

ONSITE GUIDE

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GREENER FACILITIES

Conference & Expo

November 14th & 15th

Edmonton, Alberta / Edmonton Inn & Conference Centre

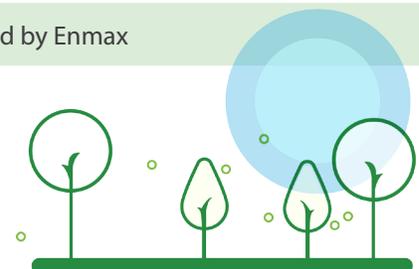


The Greener Facilities Conference & Expo will prepare and educate Alberta-based facility managers and municipal staff on new technologies and innovation, share best practices, link programs that modify occupant behavior with infrastructure improvements, and address funding options to reduce greenhouse gas emissions in their facilities and/or outdoor spaces.

SCHEDULE

Wednesday, Nov 14

6:00 - 8:00 AM	Exhibitor Company Set-up	
8:00 - 11:00 AM	Exhibitors Set-up	
11:00 AM - 12:00PM	Registration and Refreshments / Trade Show Open	
12:00 - 1:00 PM	Lunch and Opening Keynote Address –Municipal Climate Change Action Centre – Trina Innes <i>Courtyard Ballroom</i>	
1:00 - 1:15 PM	Coffee Break	
1:15 - 2:15 PM	A1	A2
	Health and Wellness Outcomes of Going Green Kaitlyn Gillis (Stantec) <i>Courtyard Ballroom</i>	Property Assessed Clean Energy (PACE) Program - Marc Huot, Energy Efficiency Alberta <i>Vernon Room</i>
2:15 - 2:30 PM	Transition Break	
2:30 - 3:30 PM	B1	B2
	Green Buildings Standards Update Tim Nabholz - Canada Green Buildings Council <i>Courtyard Ballroom</i>	Energy & Emissions Accounting, Target Setting & Planning Megan Meaney, Sarah Shentstone-Harris - ICLEI and Andrea Linsky - City of Edmonton <i>Vernon Room</i>
3:30 - 3:45 PM	Coffee Break - Vernon Room	
3:45 - 4:45 PM	C1	C2
	Taking Steps to Planning and Hosting Greener Festivals and Events <i>Courtyard Ballroom</i>	Case Studies in Energy and Emissions Reduction Projects Megan Meaney, Sarah Shentstone-Harris - ICLEI and Francois Cousineau - City of Edmonton <i>Vernon Room</i>
4:45 - 7:00 PM	Green Reception - Sponsored by Enmax	



SCHEDULE

Thursday, Nov 15

8:00 – 9:00 AM	Breakfast and Keynote Speaker – Green Facilities & Leadership in Climate Akua Shatz & Lisa Marie Fox - Canada Green Building Council <i>Courtyard Ballroom</i>	
9:00 – 9:15 AM	Transition Break	
9:15 – 10:15 AM	D1	D2
	All About Municipal Solar and How to Become Net Zero (Town of Raymond case study) Jason Atkinson – Enmax & Kurtis Pratt – Town of Raymond <i>Courtyard Ballroom</i>	How to Sell Going Green to Your Council and Administration Les Quinton – Town of Black Diamond <i>Vernon Room</i>
10:15 – 10:30 AM	Transition Break	
10:30 – 11:30 AM	E1	E2
	Blatchford Project – Renewable Energy and Green Infrastructure Components City of Edmonton - Todd Lumsden & Christian Felske <i>Courtyard Ballroom</i>	Green Conversations and the Green Leagues Program Ronak Patel - Edmonton Federation of Community Leagues <i>Vernon Room</i>
11:30 – 11:45 AM	Coffee Break	
11:45 AM – 12:45 PM	F1	F2
	Geothermal in Alberta Tony Abitegeka - Nexov Canada <i>Courtyard Ballroom</i>	Energy Star – A New Certification for Buildings in Canada Joseph Der <i>Vernon Room</i>
12:45 – 2:00 PM	Closing Keynote - Amelia Hollingshurst, Wrap up and Tradeshow Prize Draws - Courtyard Ballroom	
3:30 – 6:30 PM	Canada Green Building Council – Receptions <i>(Complimentary with separate sign-up, see page 8)</i>	

PLENARY SPEAKERS

Municipal Climate Change Action Centre

Trina Innes, Director of the Municipal Climate Change Action Centre (MCCAC) will provide an overview of the programs that MCCAC offer and some of the new initiatives that will be rolling out for municipalities.

The Municipal Climate Change Action Centre (MCCAC) was established by the Government of Alberta in 2009 to support municipalities in addressing climate change. The MCCAC provides municipalities with funding programs, technical assistance, and education to help them reduce their greenhouse gas emissions.

The MCCAC is operated as a joint partnership between the Alberta Climate Change Office, Alberta Municipal Affairs, the Alberta Urban Municipalities Association, and Rural Municipalities of Alberta.

Trina Innes

DIRECTOR OF THE MUNICIPAL CLIMATE CHANGE ACTION CENTRE

Trina joined the MCCAC in July 2018. She previously served as Chief Sustainability Officer with the University of Alberta where she led the development of the Campus Sustainability Initiative and helped position the university as Canada's Greenest Employer ten years in a row. Trina is the vice-chair of the Association for the Advancement of Sustainability in Higher Education. She is a designated director with the Institute of Corporate Directors, holds two masters degrees in business and forestry and post-graduate certificates in both change management and corporate social responsibility.

Akua Schatz and Lisa Maria Fox from the Canada Green Building Council (CGBC) will provide examples of LEED Facilities in Alberta, with a discussion on the role of government in driving innovation through green building policies, procurement practices and building certification.

Canada Green Building Council

Akua Schatz

SR. DIRECTOR OF ADVOCACY & MARKET DEVELOPMENT, CANADA GREEN BUILDING COUNCIL

Akua leads the development of policy to advance sustainable building practices. She has championed research and programming demonstrating how energy benchmarking, the retrofit economy and net zero development can play a role in the de-carbonization of Canada. Over the course of her career she has honed a deep understanding of tools to drive change including the strategic use of evidence-based research to inform policy decisions and the identification of market-based solutions to accelerate industry uptake on retrofits.

Lisa Maria Fox

REGIONAL DIRECTOR ALBERTA CHAPTER, CANADA GREEN BUILDING COUNCIL

Lisa is a passionate advocate of sustainability and has spent the last decade developing a consortium of sustainability professionals and educational resources for advancing innovation and sustainable solutions for municipalities and their industry partners. As an experienced policy analyst and program developer she is recognized for systems thinking style, managing strategic relationships, communicating concepts, and presenting ideas across a diversity of environments.

A SESSIONS

A1 - Health and Wellness Outcomes of Going Green

Kaitlyn Gillis, Welling + Sustainability Specialist - Stantec

This session will explore the social side of sustainability and how integrating nature and natural processes through biophilic design strategies can benefit both people and the natural environment.

Kaitlyn is a wellbeing and sustainability specialist with Stantec's Sustainability and Buildings Performance team in Edmonton, Alberta. Kaitlyn's background in building engineering, deep green architecture, and environmental psychology allows her to understand both the social and technical sides of complex problems facing both people and planet. Prior to joining Stantec, Kaitlyn worked in both the consulting and non-profit sectors in Atlantic Canada, the United Kingdom, and most recently in Vancouver, BC. Kaitlyn has been involved in the development of internal corporate sustainability strategies and has lead the development of sustainability and health and wellbeing services lines. Kaitlyn has presented and published on various topics related to the built environment, including biophilic design, health and wellbeing, environmental psychology, LEED, WELL, the Living Building Challenge, and low carbon building materials.

A2 - Property Assessed Clean Energy (PACE) Program

Marc Huot, Director, Energy Efficiency Programs, Energy Efficiency Alberta

Find out more about the Property Assessed Clean Energy (PACE) legislation that was recently passed. Accessing affordable financing is one of the biggest barriers property owners face when deciding to invest in energy efficiency and renewable energy upgrades.

An Act to Enable Clean Energy Improvements has passed to let municipalities establish a Property Assessed Clean Energy (PACE) program that will make it more affordable for Albertans to upgrade their properties without having to put money down. The cost of the upgrade will be recovered through their property taxes. PACE programs made available to Albertans will help them make clean-energy improvements, save money

B SESSIONS

B1 - Green Building Standards Update

Tim Nabholz, Mission Green Buildings and CaGBC

Alberta Chapter This presentation will review current green building standards and certification programs and highlight the key points that are important for building owners and operators to understand. Participants will learn to quickly assess which standards are relevant for their project or building.

B2 - Energy & Emissions Accounting, Target Setting & Planning -

In May 2018 the City Council approved the City of Edmonton 2019-2030 Civic Operations Greenhouse Gas Management Plan. This plan is the 4th iteration of a plan that has been developed in an extremely collaborative and integrated process. This session will explore the development of the plan, the changes to this plan from the previous iterations and key aspects of the implementation plan. The session will also identify other policy and operational aspects of the City support the implementation of this plan such as City policy C532: the Sustainable Building Policy. After learning about Edmonton's experience, participants will have the opportunity to discuss and explore how their communities manage energy and emissions.

Megan Meaney, Executive Director, ICLEI Canada

Megan is recognized by cities across Canada as an authority on municipal sustainability. She has been with ICLEI since 1999, over which time she has held many roles in strategic energy planning, climate mitigation and adaptation, biodiversity, as well as sustainability management. Through the Partners for Climate Protection Program she has developed numerous tools, resources, protocols and case studies designed to help build the capacity of local governments to effectively manage corporate and community level emissions. She works strategically to align Canadian municipal GHG reduction activities with global best practices and reporting standards. Megan has a Master's degree in Environment and Management, a Bachelor's degree in Environmental Science, and a diploma in Environmental Engineering.

Andrea Linsky

Andrea Linsky, Senior Environmental Project Manager, City of Edmonton – Andrea has spent her career working in everything from hydrogen fuel cell research and development to energy management leadership and education. She now works at the City of Edmonton and leads the development and implementation of the City's civic operations sustainability policies, namely the newly approved 2019-2030 GHG Management Plan for Civic Operations and Policy C532 the Sustainable Building Policy.

C SESSIONS

C1 - Taking Steps to Planning and Hosting Greener Festivals and Events

Samantha Marion & Bernadette Blakey

Join members from the Edmonton Folk Music Festival's Green Team to learn how they have planned and implemented green initiatives and waste diversion education to lower the environmental impact of the event. You will learn from their successes and things they learned along the way. This session will include an interactive component to encourage discussion.

Co-Coordinator of the Green Team at Edmonton Folk Music Festival, Samantha Marion & Bernadette Blakey, have been working on the Green Team for 8 years, starting the same year it was established. They took over coordinating four years ago and have helped the team evolve into an essential part of the Folk Festival's waste management system. Bernadette is a science educator with a passion for sustainable lifestyle practices and Sam is a science educator with a knack for organization. Together, they work towards educating people about waste diversion, both within the Folk Festival and in the community.

C2 - Case Studies in Energy and Emissions Reduction Projects

Join this session to explore some of the innovative energy and emissions management projects from across Canada in the Partners for Climate Protection (PCP) Program, and learn about some solar photovoltaics and combined heat and power projects from the City of Edmonton. Participants will have an opportunity to interact in workshop format to explore and strategize about energy efficiency opportunities they can implement in their own organizations.

Sarah Shenstone-Harris

As Climate and Energy Project Assistant, Sarah provides support to members of the Partners for Climate Protection Program and assists in managing and implementing emission inventories and local action planning projects with local governments. She also helps in the development and delivery of tools and resources for local governments to build capacity on mitigation strategies and community energy planning. Sarah holds a Master of Science in Environmental Sustainability from the University of Ottawa and a Bachelor of Science from Queen's University.

Francois Cousineau, Project Coordinator, City of Edmonton

D SESSIONS

D1 -All About Municipal Solar and How to Become Net Zero – Town of Raymond Case Study

Jason Atkinson – Enmax

Kurtis Pratt – Town of Raymond

Jason is the Director of Operations, Distributed Generation, ENMAX Energy Corporation. Jason has more than 20 years of experience with large-scale building energy projects, including solar PV, HVAC systems, geo-exchange systems, and ocean loop heating and cooling. He has led the operations side of ENMAX's solar business since its inception in 2009. Currently, Jason leads ENMAX's solar procurement processes, manages our vendor relationships, and is responsible for onboarding, training and managing our sub-contractor network. A qualified installer, Jason provides oversight to all of ENMAX's solar installations and ongoing service and maintenance.

D2 - How to Sell Going Green to Your Council and Administration

Les Quinton, Parks and Recreation Manager for the Town of Black Diamond, has been the catalyst for the Town to invest in green infrastructure including the use of energy renewables and taking advantage of energy efficiencies. Les will share how he built the original case for going green and persuaded the town leadership that it was the right choice to go green. Les will overview his preparation before going to council and the tracking of data that will show council that the project is a good decision.

Learn about Black Diamonds commitment to sustainability, how we have incorporated it into our lifecycle planning and budgeting. What data we track to show the savings, what we look at when analyzing a project, how we fund the project with available grants and our green reserve then analyzing the data for council.

Les Quinton, Parks & Recreation Manager, Town of Black Diamond

Les has been in the field of Parks & Recreation since 1980 and is devoted to sustainability, both at work and at home. He is the Parks and Recreation Manager for the Town of Black Diamond and volunteers as a member of the Sustainable Black Diamond Advisory Committee. In 2011 Les received the Municipal Sustainability Leadership award. Les has taken steps to help the municipality implement energy efficient retrofits, move to more alternative energy usage and install two energy management systems.

E SESSIONS

E1 - City of Edmonton Blatchford Project - Renewable Energy and Green Infrastructure Components

Tom Lumsden, Development Manager - Blatchford Redevelopment Office - City of Edmonton
Christian Felske, Director - Renewable Energy Systems Infrastructure Delivery- City of Edmonton

This session will introduce the new Blatchford development beginning to take shape on the old Municipal Airport land. Blatchford will be home to up to 30,000 Edmontonians living, working and learning in a sustainable community that uses 100% renewable energy, is carbon neutral, significantly reduces its ecological footprint, and empowers residents to pursue a range of sustainable lifestyle choices. This session will focus on the green infrastructure and renewable that is being incorporated into the plans.

E2 - Green Conversations and the Green Leagues Program

Sustainability concerns often get lost in the day-to-day operations of Community Leagues. This workshop will outline how you can prioritize sustainability goals within organizations, as well as underline the importance of sustainable development within communities. We will also cover what resources, tools, and assistance is currently available for communities to become more sustainable. The Green Leagues program of the Edmonton Federation of Community Leagues will also be overviewed. This program helps community leagues in Edmonton to become leaders in energy efficiency and solar power for their communities.

Ronak Patel

Ronak Patel is the Energy Transition Officer for the Edmonton Federation of Community Leagues. Through the Green Leagues Program, Ronak helped Edmonton Community Leagues become leaders in energy efficiency, solar power generation, and sustainability.

F SESSIONS

F1 - Geothermal in Alberta

Tony Abitegeka - Nexov Canada

Come learn more about the potential of geothermal in Alberta including a free tool to evaluate your geothermal potential through oil and gas wells in Alberta.

F2 - ENERGY STAR: A New Certification for Buildings In Canada

Energy management is an emerging trend in the existing building industry. A key component of any successful energy management programs is energy benchmarking. Benchmarking enables you to identify opportunities to improve energy performance and can help to inform capital decisions and uncover opportunities for savings. ENERGY STAR Portfolio Manager is a tool that can be used to benchmark your building. Recently, NRCan has released a new ENERGY STAR certification program to recognize top performing buildings across Canada.

This session will provide an overview of the ENERGY STAR Portfolio Manager tool, an overview of the new certification process including advantages and disadvantages of pursuing this new certification, present how ENERGY STAR relates to other sustainability programs and share challenges and lessons learned from real projects.

Joseph Der

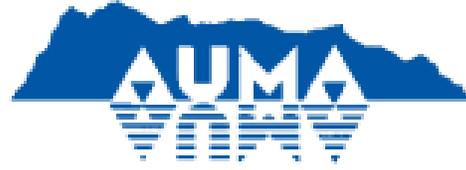
Joseph is a member of WSP's Edmonton Sustainability & Energy team. As a member of the Sustainability & Energy team, his work includes high performance design consulting, energy auditing, GHG consulting, sustainability certification consulting and engaging with clients to provide solutions for their sustainability needs.

Closing Keynote

Ameila Hollingshurst - Stantec

Over the past 12 years, Amelia has lead project teams to successfully design and execute projects from concept to completion. She has a wide breadth of experience including large scale recreation and post-secondary projects. Ameila is equipped to coordinate large teams and deliver exceptional client services. She believes that creative design solutions are based on understanding the opportunities presented by each individual project.

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EXHIBITORS

Alberta Wood WORKS!

Canada Green Building Council

Enmax

Gameday Sports Services

Municipal Climate Change Action Centre

Scott Builders Inc.

Energy Efficiency Alberta

University of Alberta, Kinesiology, Sport and Recreation