

# PROGRAM

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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 - 10:00 AM	Exhibitors Set-up	
10:00 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	
1:00 – 1:15 PM	Coffee Break	
1:15 – 2:15 PM	<b>A1</b>	<b>A2</b>
	Property Assessed Clean Energy (PACE) Program Justin Smith – Energy Efficiency Alberta	Health and Wellness Outcomes of Going Green Tanya Doran (Stantec)
2:15 – 2:30 PM	Transition Break	
2:30 – 3:30 PM	<b>B1</b>	<b>B2</b>
	Green Buildings Standards Update Melanie Ross - Canada Green Buildings Council	Energy Emissions Accounting and Target Setting Workshop – Part A Megan Meaney & Sarah Shentstone-Harris - ICLEI
3:30 – 3:45 PM	Coffee Break	
3:45 – 4:45 PM	<b>C1</b>	<b>C2</b>
	Green Festivals and Events Edmonton Folk Festival Green Team	Energy Emissions Accounting and Target Setting Workshop – Part B Megan Meaney & Sarah Shentstone-Harris - ICLEI
4:45 – 7:00 PM	Trade Show Reception	



# 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	
9:00 – 9:15 AM	Transition Break	
9:15 – 10:15 AM	<b>D1</b>	<b>D2</b>
	How to Sell Going Green to Your Council and Administration Les Quinton – Town of Black Diamond	All About Municipal Solar and How to Become Net Zero (Town of Raymond case study) Jason Atkinson – Enmax & Kurtis Pratt – Town of Raymond
10:15 – 10:30 AM	Transition Break	
10:30 – 11:30 AM	<b>E1</b>	<b>E2</b>
	Blatchford Project – Renewable Energy and Green Infrastructure Components City of Edmonton	Green Conversations – Talking to Your Board About Sustainability and/or Green Leagues Ronak Patel - Edmonton Federation of Community Leagues
11:30 – 11:45 AM	Coffee Break	
11:45 AM – 12:45 PM	<b>F1</b>	<b>F2</b>
	Post-secondary education and national recreation provide Seven Dimensions of Health & Wellness Enzo Vicenzino (Stantec)	Energy Star – A New Certification for Buildings in Canada Joseph Der
12:45 – 2:00 PM	Closing Keynote, Wrap up and Tradeshow Prize Draws	
3:30 – 7:30 PM	Canada Green Building Council – Receptions (Complimentary with separate sign-up, see page 8)	
2:00 – 4:00 PM	Exhibitor Move Out	

# 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.

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## 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 - Property Assessed Clean Energy (PACE) Program**

**Justin Smith - Energy Efficiency Alberta**

Justin Smith from Energy Efficiency Alberta will provide an overview of 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 and reduce emissions, while helping to create green jobs and stimulate local economies

## **A2 - Exploring the Health and Wellness Outcomes of Going Green**

**Tanya Doran - Stantec**

Tanya has spent her career championing sustainable building design. From her first role at an electric utility provider to her recent senior roles consulting for large national organizations and the electric transmission council in Edmonton, Tanya has seen the evolution of sustainable design practice across Western Canada.

Her multifaceted career spans from promoting sustainability through stakeholder engagement, workshops, speeches, and presentations; to developing and implementing strategic plans and advocating for practical sustainable practices within Alberta. She has been the Executive Director, Alberta Chapter of the Canada Green Building Council (CaGBC) and spent 17 years engaged with the CaGBC's annual sustainable building symposium Tanya is inspired by connecting the natural world to the built environment, and creating energy conscious and efficient buildings.

## **B1 - Green Building Standards Update**

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.

# B SESSIONS

## **Melanie Ross, Chair of the CaGBC Alberta Chapter Leadership Board**

Melanie leads the Sustainability Team in Integral's Calgary office. In addition to managing projects with green buildings certifications such as LEED and WELL, she develops sustainability policy and planning tools, and act as the key point of contact for the energy modelling and commissioning teams on the energy management portfolio. She also liaises with the mechanical and electrical engineering teams to ensure the holistic integration of sustainability into all aspects of the firm's work. Melanie's work with the CaGBC as a reviewer, faculty and on task-forces gives her intimate knowledge of LEED and WELL project strategies. Combined with her tenure as board member of the Alberta Chapter of the CaGBC, she strives to effect positive change building by building. Her experience in communication and marketing enhances a people-focused skill set.

## **B2 - Workshop on Identifying and Developing Energy Efficiency Projects - Part A**

Join ICLEI for this two-hour workshop on identifying and developing energy efficiency projects. By the end of the workshop, participants will: to council and the tracking of

- Be familiar with different energy efficiency projects in Alberta and elsewhere
- Identify energy efficiency opportunities and projects they can implement in their own organizations, buildings, and communities
- Have the knowledge and tools to kickstart their own energy efficiency projects

## **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.

# C SESSIONS

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

### Edmonton Folk Festival Green Team

Join members from the Edmonton Folk Festival Green Team to learn how they have planned and implemented green initiatives into this large multi-day music festival to lower the environmental impact of the event. You will learn from their successes and things they learned along the way.

## C2 - Workshop on Identifying and Developing Energy

### Efficiency Projects - Part B

Join ICLEI for this two-hour workshop on identifying and developing energy efficiency projects. By the end of the workshop, participants will: to council and the tracking of

- Be familiar with different energy efficiency projects in Alberta and elsewhere
- Identify energy efficiency opportunities and projects they can implement in their own organizations, buildings, and communities
- Have the knowledge and tools to kickstart their own energy efficiency projects

### 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. Prior to working at ICLEI Canada, Sarah worked on climate and energy and other sustainability issues in the NGO and government sectors.

# D SESSIONS

## D1 - 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 Qunton

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.

## D2 -All About Municipal Solar and How to Become Net Zero - Town of Raymond Case Study

### Jason Atkinson - Enmax & Kurtis Pratt

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.

# E SESSIONS

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

### **Blatchford Project Staff**

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 help Edmonton Community Leagues become leaders in energy efficiency, solar power generation, and sustainability.

# F SESSIONS

## **F1 - Post Secondary Education and National Recreation provide Seven Dimensions of Health and Wellness**

### **Enzo Vicenzino - Stantec**

Individuals and communities grow with the opportunities around them. The Red Deer College Gary W. Harris Canada Games Centre presents the opportunity for advanced learning and sport development, and benefits lifestyle and fitness of staff, students, and the community.

The driving force behind our design were the Seven Dimensions of Wellness: Physical, Social & Inclusive, Emotional, Career & Academic, Occupational, Spiritual, and Environmental. The presentation will focus on how these dimensions were captured in the built environment and how they supported other project goals for community connectivity, academic growth, fitness and sport, sustainability, and the Wow Factor.

The Centre includes an Olympic-sized ice arena with seating for 1100, a double gymnasium with seating for 1200, a fitness centre with a running track and squash courts, Hockey Alberta's head office, and a Kinesiology Department including treatment and teaching spaces.

## **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.

# GETTING TO ZERO CARBON

## The Retrofit Economy and Investor Confidence

This is an Industry Engagement Event hosted by the CaGBC in partnership with the Greener Facilities Conference and Expo and is Free for all Delegates of the Greener Facilities Conference to attend.



**EDMONTON INN AND  
CONFERENCE CENTER:**  
WILDROSE BALLROOM

**3:30 - 6:30PM**

Complimentary to attend for Greener Facility Delegate - Registration required - [click here for details](#)

Discount Code : **ABPartnerGFC**

## FEATURING GUEST SPEAKERS

Adam Stoker, University of Calgary & Akua Schatz, CaGBC

### CaGBC's Zero Carbon Building Program

The buildings of the future will be Zero Carbon. Learn about the CaGBC's Zero Carbon Building Standard, and how it aims to shift the discussion from 'energy efficiency' to 'carbon' as the new metric of performance. Zero Carbon represents the next cycle of innovation in green building continuing Canada's global leadership in taking tangible steps in reducing carbon emissions from buildings.

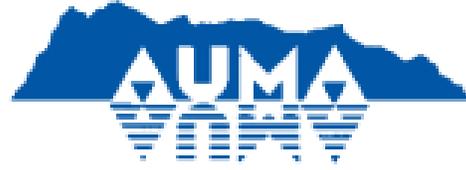
### The Investor Confidence Project and Investor Ready Energy Efficiency (IREE) Certification

The Pan-Canadian Framework on Clean Growth and Climate Change highlighted how retrofitting existing buildings will play a key role in reaching Canada's emissions reductions targets. To accelerate these retrofits, MaRS, with support from the Province of Ontario, is partnering with CaGBC and GBCI to help bring an innovative quality assurance mechanism to the Canadian market.

By standardizing the ways in which energy efficiency projects are conceived, developed, measured, and verified, the IREE certification is transforming how the market underwrites and invests in energy-saving building projects.

*\*Includes evening refreshments and networking.*

# PARTNERS



## Green Power Sponsor



## EXHIBITORS

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