

# QUEST 2016



SMART ENERGY COMMUNITIES FOR  
**JOBS, INFRASTRUCTURE  
& CLIMATE LEADERSHIP**

Final  
Program

OCT. 17 - 19  
CALGARY



# QUEST

Quality Urban Energy  
Systems of Tomorrow

## Title Sponsor



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# WELCOME TO **QUEST2016**



**Brent Gilmour**  
Executive Director  
QUEST

Communities, the places where we live, work, move, and play, account for 60% of energy use in Canada, as well as over half of all greenhouse gas (GHG) emissions.

Communities are essential for achieving federal, provincial and territorial government GHG and energy objectives and Smart Energy Communities offer the solution for how they get there. Smart Energy Communities improve energy efficiency, enhance reliability, cut costs and reduce GHGs.

Today, QUEST is the leader in developing Smart Energy Communities and the marketplace is growing rapidly with well over 200 communities in Canada, representing more than 50% of the population, working to improve energy efficiency, reduce GHGs and drive economic development.

This year's conference marks QUEST's 10th Anniversary and we are excited to bring you our 10th annual Conference & Tradeshow - QUEST2016 Smart Energy Communities for Jobs, Infrastructure and Climate Leadership.

This conference is our annual touchpoint to bring our network of governments, utilities & energy service providers, the real-estate sector, and the product and professional service sector, among others, together to discuss how to bring Smart Energy Communities to life. It is an opportunity to build partnerships, share best practices, hatch plans and accelerate projects.

Over the next few days we will explore how Smart Energy Communities can create jobs and grow the economy, build resilient infrastructure and resilient communities, and explore smart energy options for small, rural, remote and First Nations communities. We will address questions like – How can we better produce, move and use energy at the community level to create jobs, strengthen our communities, and reduce GHGs? How can businesses and communities leverage their projects to promote innovation, job creation and economic development? And much more.

QUEST2016 brings together the expertise from across Canada and internationally that will help us address these pressing questions.

I invite you to get involved! Share your insights and expertise through the many exciting sessions, spend time on the tradeshow floor, join us on twitter @QUESTCanada #QUEST2016, and explore Day 3 tours featuring Alberta's Green Energy Doors Open and the Newtonian Shift.

Enjoy the conference!

Yours truly,

Brent Gilmour, MCIP RPP  
Executive Director  
QUEST

## who is at QUEST2016?

10%  
NON-PROFITS  
& ACADEMIA

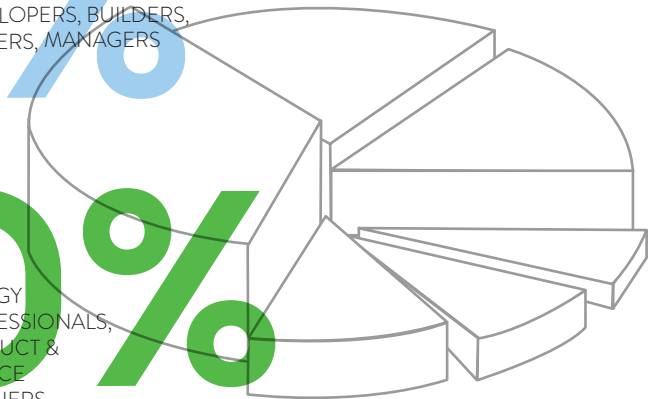
10%  
PROVINCIAL  
& FEDERAL  
GOVERNMENTS

15%  
DEVELOPERS, BUILDERS,  
OWNERS, MANAGERS

20%  
ENERGY  
PROFESSIONALS,  
PRODUCT &  
SERVICE  
SUPPLIERS

20%  
UTILITIES  
& ENERGY PROVIDERS

25%  
LOCAL  
GOVERNMENTS



# QUEST2016 SITE MAP

## QUEST2016 CARBON OFFSETS

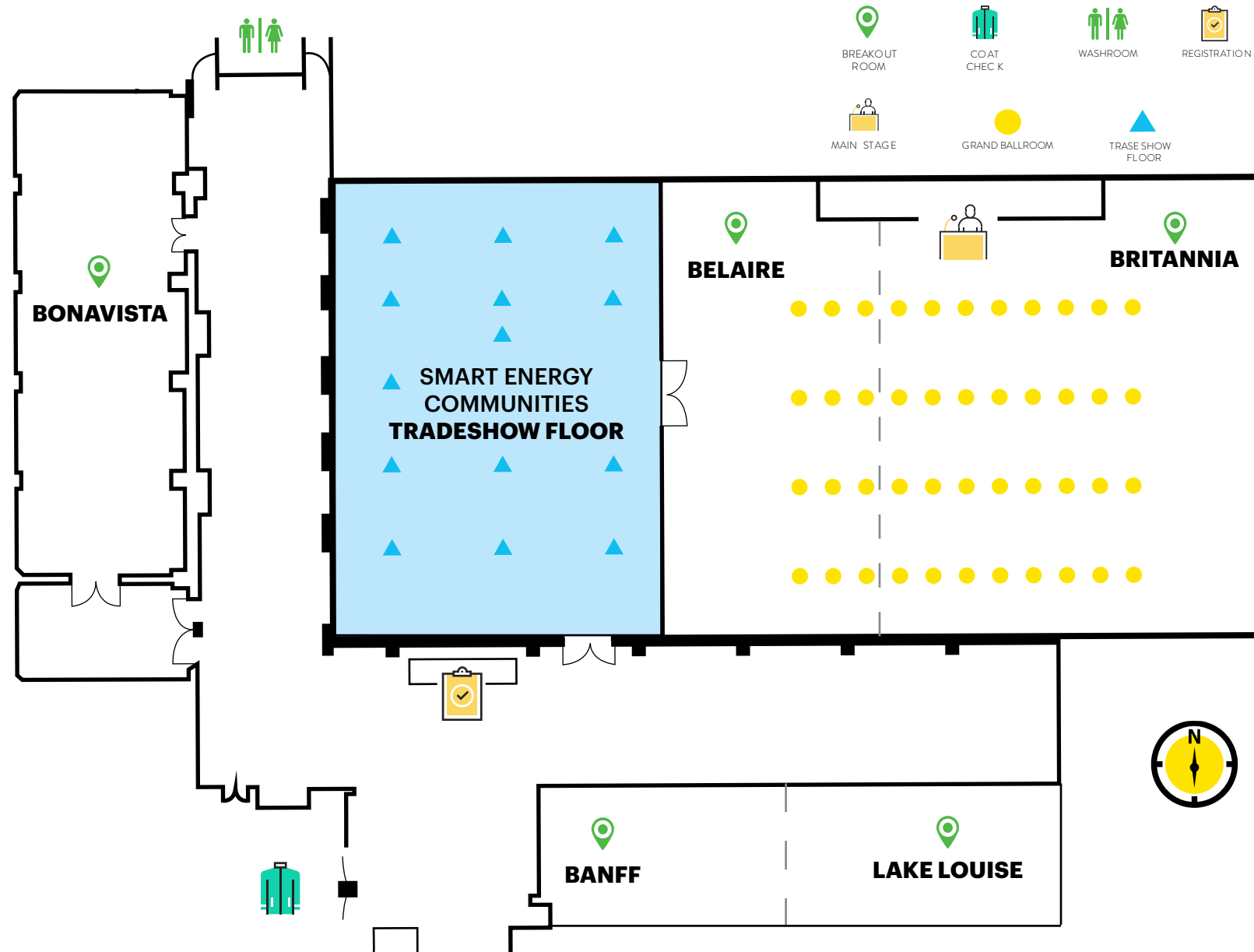
**walker environmental**  
**ANWAATIN**

In partnership with Anwaatin Inc and Walker Environmental Group, your travel to QUEST2016 has been offset. Anwaatin is working to ensure Indigenous communities are front and center in climate change action.

## TRADESHOW HOURS

**Monday**  
Early Morning - 7:00am - 8:30am  
Morning - 10:00am - 12:15pm  
Afternoon - 3:00pm - 5:00pm  
Evening - 5:15pm - 6:30pm

**Tuesday**  
Early Morning - 7:00am - 8:30am  
Morning - 10:15am - 12:15pm  
Afternoon - 3:00pm-5:00pm



# 2016 EXHIBITORS

**AALTO INC.**  
**ENVIRONICS ANALYTICS**  
**AB COGENERATION WORLD**  
**FVB ENERGY INC.**  
**ATCO** ALWAYS THERE. ANYWHERE  
**GE**  
**aeso** ALBERTA ELECTRIC SYSTEM OPERATOR  
**GSS** INTEGRATED ENERGY  
**isoplus** Piping Systems  
**THE CITY OF CALGARY**  
**Olympic Integrated Services**  
**COMMUNITY ENERGY PLANNING GETTING TO IMPLEMENTATION IN CANADA**  
**QMC**  
**CORIX**  
**QUEST** Quality Urban Energy Systems of Tomorrow  
**ENBRIDGE**  
**ROVANCO**  
**JURECON**

# SMART ENERGY COMMUNITIES AWARDS & GALA DINNER



**Utility and Energy Service Providers**



**Real Estate Sector**  
Includes owners, operators and builders.

sponsored by **Brookfield Residential**



**Local Public Service Sector**  
Includes municipalities (and their agencies, boards & commissions), universities, schools and hospitals.

sponsored by **EY** Building a better working world

Join us for QUEST's 10th Anniversary Smart Energy Communities Awards & Gala Dinner. The Gala is an opportunity to bring together our networks from across Canada to celebrate Smart Energy Communities in Canada.

## 2016 FINALISTS

### Local Public Service Sector

**The City of Vancouver, BC** for the Moodyville showcase community.

**The City of Richmond, BC** for its Alexandra District Energy Utility – Clean, efficient energy for now and the future.

**The City of Saint John, NB** for its Municipal Energy Efficiency Program - A Collaborative Municipal Approach to Environmental Sustainability and Fiscal Accountability.

### Utility & Energy Service Providers

**Enbridge Gas Distribution's** Savings by Design Program – created to assist builders design and construct buildings and houses with higher energy performance.

**Kambo Green Solutions** for its energy efficiency project for the remote First Nation community of Wuikinuxv.

**Solar Global Solutions** for its turnkey Net Zero Energy system as part of the construction of the new Pictou Landing First Nation Band office.

### Real Estate Sector

**Ameresco** and the **City of London, ON** for the comprehensive improvement project to enhance energy efficiency at the Canada Games Aquatic Centre.

**Housing Nova Scotia** for its affordable Housing Duplex with Passive House Standards.

**Landmark Group of Companies** for Bearspaw Crossing, a smart energy community that makes sustainable living easier to achieve for first time home owners.



**When energy is shared,** it creates innovative, sustainable communities.

ATCO has decades of experience delivering innovative, clean and efficient energy solutions to communities around the world. From the safe, reliable delivery of natural gas to combined heat and power, district energy, solar and distributed generation, our expertise can help create truly innovative, sustainable Alberta communities.

**ATCO** ALWAYS THERE. ANYWHERE.

ATCO.com

# RESPECT

Our country thrives on mutual respect. Planning a pipeline works when different communities discuss and agree on a path forward.

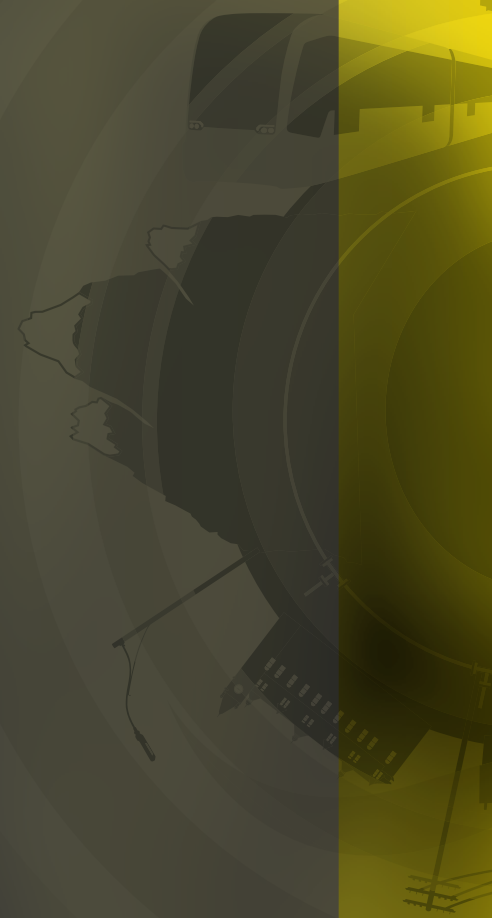
**Delivering Canada's energy. Every day.**

Learn more at [aboutpipelines.com/en/in-your-community](http://aboutpipelines.com/en/in-your-community)





**KEYNOTE** SPEAKERS  
& **PROGRAM** AT A GLANCE



# Speakers Corner



Plenary Speakers in Order of Appearance:



**Karen Farbridge**  
Chair  
QUEST Ontario Caucus



**Brian Pincott**  
Councillor, Ward 11  
City of Calgary



**Dr. Andy Goulson**  
Deputy Director  
Centre for Climate Change  
Economics & Policy



**Colleen  
Gioux-Schmid**  
Senior Director, Governmental  
and Regulatory Affairs, Innergex



**Chris Bloomer**  
President & CEO  
Canadian Energy Pipeline  
Association



**Sergio Marchi**  
President & CEO  
Canadian Electricity  
Association



**Devin Causley**  
Manager, Climate Change  
Program  
FCM



**Gaëtan Thomas**  
President & CEO  
NB Power



**Christian  
Provenzano**  
Mayor, City of Sault Ste.  
Marie



**Andre Rochette**  
President & CEO  
Ecosystem



**Michael Harcourt**  
Chair  
QUEST Board of Directors



**Mary Moran**  
President & CEO  
Calgary Economic  
Development



**Phil Fontaine**  
Former National Chief  
of the Assembly of First  
Nations



**Gianna Manes**  
President & CEO  
ENMAX Corporation



**Geoffrey Stevens**  
Urban IoT Manager,  
Future Cities Catapult



**Chad Park**  
Chief Innovation Officer  
The Natural Step



**Elizabeth Sheenan**  
President  
ClimateSmart BC



**Melanie Bayley**  
VP, Innovation & Engineering  
ATCO



**Larry Sault**  
CEO Anwaatin, former Chief  
of the Mississaugas of New  
Credit First Nations



**Rebecca Sullivan**  
GM Stakeholder & Aboriginal  
Relations  
Suncor



# Program at a Glance

## DAY ONE MONDAY OCT 17 Smart Energy Communities Create Jobs & Grow the Economy

7:00 - 8:30 AM  
Breakfast on the Tradeshow Floor

8:30 - 9:00 AM  
Welcome to QUEST2016  
BELAIRE & BRITANNIA

9:00 - 10:15 AM  
Speakers Panel  
BELAIRE & BRITANNIA

10:15 - 10:45 AM  
Networking Break: Smart Energy  
Communities Tradeshow Floor

10:45 - 12:15 AM  
Accelerator Session

A: Maximizing Energy Efficiency  
for Local Job Creation  
BELAIRE

B: Making a Case for CHP  
BONAVISTA

C: Growing Clean Energy Markets with  
Green Banking and Carbon Pricing  
BRITANNIA

12:30 - 1:45 PM  
Lunch Keynote  
BELAIRE & BRITANNIA

AFTERNOON  
Resilient Infrastructure,  
Resilient Communities

2:00 - 3:00 PM  
Speakers Panel  
BELAIRE & BRITANNIA

3:00 - 3:30 PM  
Networking Break: Smart Energy  
Communities Tradeshow Floor

3:30 - 4:45 PM  
Accelerator Session

A: Integrating Infrastructure for  
Electric & Alternative Fuel Vehicles  
BELAIRE

B: Harnessing Local Energy Sources  
for Renewable Natural Gas  
BONAVISTA

C: Driving Forward Resilience in the  
Energy Distribution Sector  
BRITANNIA

5:15 - 6:30 PM  
Cocktail Reception: Smart Energy  
Communities Tradeshow Floor

6:30  
Annual Gala & Awards Dinner  
BELAIRE & BRITANNIA

## DAY TWO TUESDAY OCT 18 Ramping Up Low Carbon Communities

7:00 - 8:30 AM  
Breakfast on the Tradeshow Floor

8:30 - 9:15 AM  
Opening Keynote  
BELAIRE & BRITANNIA

9:15 - 9:45 AM  
A Human Centered Approach to  
Energy Efficiency  
BELAIRE & BRITANNIA

9:45 - 10:15 AM  
In Conversation with Gianna Manes  
BELAIRE & BRITANNIA

10:15 - 10:45 AM  
Networking Break: Smart Energy  
Communities Tradeshow Floor

10:45 - 12:00 AM  
Accelerator Session

A: Community Energy Planning:  
Getting to Implementation  
BONAVISTA

B: High Performance Buildings  
and City Standards  
BRITANNIA

12:15 - 1:45 PM  
Lunch Keynote  
BELAIRE & BRITANNIA

## AFTERNOON Smart Energy for Small, Rural, Remote & First Nations Communities

1:45 - 2:45 PM  
Speakers Panel  
BELAIRE & BRITANNIA

2:45 - 3:45 PM  
Interactive Roundtable Discussion with  
Industry Experts  
BELAIRE & BRITANNIA

3:45 - 5:00 PM  
Alberta's Green Energy  
Doors Open Kickoff Reception:  
Smart Energy Communities Tradeshow Floor

Flip to page 20 for a full schedule of  
DAY THREE

## WEDNESDAY OCT 19

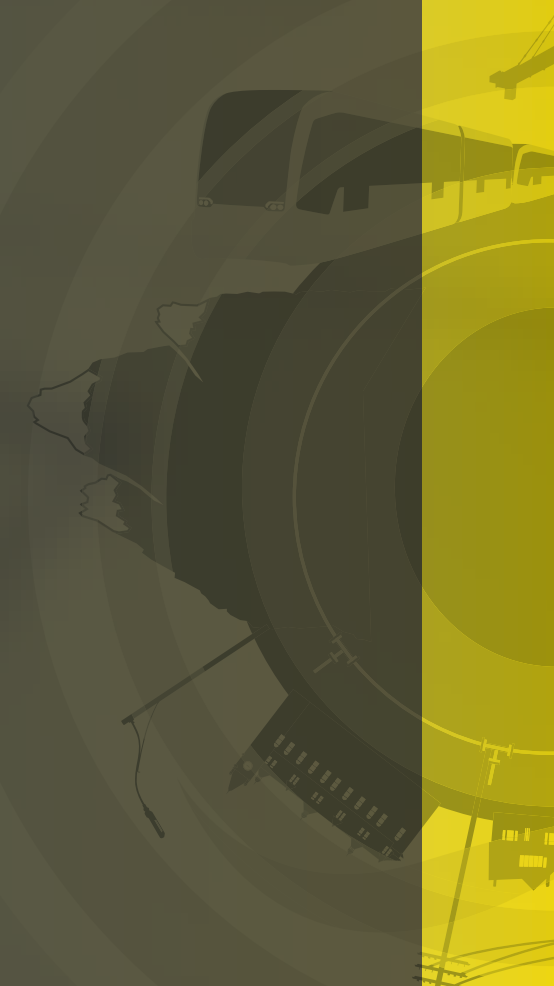
### TRADESHOW

**HOURS** **Monday**  
Early Morning - 7:00am - 8:30am  
Morning - 10:00am - 12:15pm  
Afternoon - 3:00pm - 5:00pm  
Evening - 5:15pm - 6:30pm

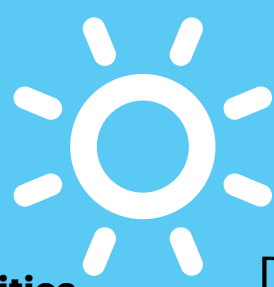
**Tuesday**  
Early Morning - 7:00am - 8:30am  
Morning - 10:15am - 12:15pm  
Afternoon - 3:00pm - 5:00pm



**FINAL** PROGRAM







# DAY ONE MONDAY OCTOBER

## Smart Energy Communities Create Jobs & Grow the Economy

7:00-8:30 **Breakfast** TRADESHOW FLOOR

8:30-9:00 **Welcome to QUEST2016** BELAIRE/BRITANNIA  
**Sir David Anthony King** (Video Address), UK Special Representative  
**Councillor Brian Pincott**, Ward 11, City of Calgary  
**Karen Farbridge**, former Mayor of the City of Guelph

9:00-10:15 **Speakers Panel** BELAIRE/BRITANNIA  
**Vicky Sharpe**, Director, The Capital Markets Regulatory Authority & member QUEST Board of Directors (moderator)  
**Dr. Andy Gouldson**, Deputy Director, Centre for Climate Change Economics & Policy  
**Chris Bloomer**, President & CEO, Canadian Energy Pipeline Association  
**Colleen Giroux-Schmidt**, Senior Director, Governmental and Regulatory Affairs, Innergex

How can businesses and communities leverage energy projects to promote innovation, job creation and economic development? Can innovations in energy delivery and clean energy technologies support local economies and help industry and businesses remain competitive? This plenary session will explore how taking a Smart Energy Communities approach to technology, alternative energy systems, infrastructure and fuels can create jobs and lead to greater economic benefits.

10:15-10:45 **Networking Break** TRADESHOW FLOOR

10:45-12:15 **Accelerator Session**  
Participants select one of three accelerator sessions led by industry experts.

### A: Maximizing Energy Efficiency for Local Job Creation

BELAIRE

Energy efficiency is widely recognized as the most cost-effective way to reduce GHGs. From street lights to building automation to systems integration, this session will explore how Smart Energy Communities take advantage of the full potential of energy efficiency resulting in lower energy costs and emissions, improved operating performance and job creation opportunities.

**Bryan Purcell**, Director of Policy & Programs, Toronto Atmospheric Fund (moderator)  
**Jesse Row**, Executive Director, Alberta Energy Efficiency Alliance  
**Marco Lacampo**, Program Manager, City of Toronto  
**Mark Hutchinson**, Vice President, Green Building Programs, CaGBC

### B: Making a Case for Combined Heat & Power

BONAVISTA

With infrastructure and carbon pricing at the top of the national energy conversation, CHP improves community competitiveness and offers a pathway to improve efficiency, enable local energy opportunities and increase resilience. Whether you are considering investing in or currently implementing CHP, join leading experts as we explore the latest in CHP technology, economics, and how to mitigate the impact of carbon pricing policy.

**Raymond McKay**, VP, Energy Solutions, ENMAX (moderator)  
**Jan Buijk**, CEO, EPS AB Energy  
**Mike Roppelt**, President, GSS  
**Gordon Kaiser**, Arbitrator, JAMS Toronto  
Washington DC

### C: Growing Clean Energy Markets with Green Banking and Carbon Pricing

BRITANNIA

Green bank financing and carbon pricing are being used to spark consumer demand and lower the costs of clean energy. Join leading experts to better understand how green bank financing and carbon pricing is accelerating clean energy market growth while making energy cheaper and cleaner for consumers, driving job creation, and preserving taxpayer dollars.

**Caroline Saunders**, British Consul General in Calgary (moderator)  
**Lorraine Becker**, President, Canadian Coalition for Green Finance  
**Paul Vickers**, President, AEnergy Capital  
**Dr. Andy Gouldson**, Deputy Director, Centre for Climate Change Economics & Policy



12:30-1:45

## Lunch Keynote

 BELAIRE/BRITANNIA

**In Conversation with Hon. Sergio Marchi**  
President and CEO, Canadian Electricity Association

**Update on FCM Programming**  
**Climate Change & Asset Management**  
Devin Causley, Manager Climate Change Programs, FCM

## Resilient Infrastructure, Resilient Communities

2:00-3:00

## Speakers Panel

 BELAIRE/BRITANNIA

**Karen Farbridge**, QUEST Ontario Caucus Chair (moderator)  
**Gaëtan Thomas**, NB Power, President  
**Christian Provenzano**, Mayor, City of Sault Ste. Marie  
**Andre Rochette**, Founding President & CEO, Ecosystem

How can communities and utilities overcome enormous infrastructure replacement costs with increased pressures on constrained budgets, rising energy costs, and climate change targets? How should a community or utility prioritize infrastructure investments? This plenary session will profile how communities of all sizes are turning to Smart Energy Communities as a means to respond to today's uncertainties and capitalize on their advantages to maintain a high quality of life and vibrant local economy.

3:00-3:30

## Networking Break

 TRADESHOW FLOOR

3:30-4:45

## Accelerator Session

Participants select one of three accelerator sessions led by industry experts.

### A: Integrating Infrastructure for Electric & Alternative Fuel Vehicles

BELAIRE

Electric and alternative fuel vehicles will fundamentally change how utilities do business and potentially strain their existing distribution infrastructure. Those communities and utilities that are proactive and develop an integrated solution will be in the best position to take advantage of the opportunities that alternative transportation presents, while minimizing the potential risks.

**Mike Mellross**, Project Manager, Economic and Environmental Sustainability, City of Edmonton (moderator)  
**Ed Ma**, Sr. Strategy Advisory, Climate Change & Policy, Suncor  
**Mo Bot**, Senior Engineer, City of Edmonton  
**Bruce Winchester**, Executive Director, Canadian Natural Gas Vehicle Alliance  
**Yves Hennekens**, Président, YHC Environnement

### B: Harnessing Local Energy Sources for Renewable Natural Gas

BONAVISTA

As governments – both provincial and federal – discuss lower GHG emissions pathways, renewable natural gas (RNG or biomethane) from local sources offers an underutilized opportunity for GHG emission-free energy in communities across Canada. This session will explore the basics of RNG, the marketplace for RNG across Canada and the current applications of RNG.

**Aditya Iyer**, Senior Advisor, Innovation and New Markets, Canadian Gas Association  
**Jason Wolfe**, Director, Energy Solutions, FortisBC  
**Mike McElligott**, Engineer, EPS AB Energy

### C: Driving Forward Resilience in the Energy Distribution Sector

BRITANNIA

Energy delivery systems (electricity, natural gas, thermal energy, storage) are being fundamentally changed through the emergence of new technologies, more affordable energy options, evolving customer expectations, changing weather patterns, environmental demands, and the increasing demand for supply reliability and system resilience. Join leading experts as they explore the solutions provided by district energy, smart energy networks and distributed energy systems.

**Lynn Mueller**, President & CEO, International Wastewater Systems (moderator)  
**Lena Ahmadi**, Postdoctoral Research Fellow, University of Waterloo & Smart Energy Task Force  
**John Rathbone**, Senior Consultant, Ramboll  
**Sean Casey**, Project Engineer, FVB Energy



EVENING

5:30-6:30

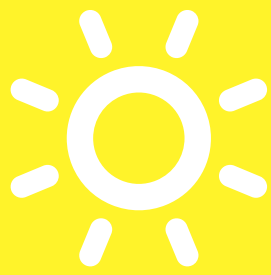
## Cocktail Reception

 TRADESHOW FLOOR

6:30

## Annual Gala & Awards Dinner

Celebrating 10 Years of Advancing Smart Energy Communities  
**Patricia Newson**, Member, QUEST Board of Directors  
**Michael Harcourt**, Chair of QUEST, in conversation with a special guest  
**Mary Moran**, President & CEO, Calgary Economic Development



## Ramping Up Low Carbon Communities

7:00-8:30 **Breakfast** TRADESHOW FLOOR

8:30-9:15 **Opening Keynote** BELAIRE/BRITANNIA  
**Phil Fontaine**, Former National Chief of the Assembly of First Nations  
**Mayor Naheed Nenshi** (Video Address), City of Calgary

9:15-9:45 **A Human Centered Approach to Energy Efficiency  
UK Policies and Leading Communities** BELAIRE/BRITANNIA  
**Brent Gilmour**, Executive Director, QUEST (moderator)  
**Geoffrey Stevens**, Urban IoT Manager, Future Cities Catapult

9:45-10:15 **The Role of Utilities  
In Conversation with Gianna Manes** BELAIRE/BRITANNIA  
**Paul Kariya**, Executive Director, Clean Energy BC and Member QUEST Board of Directors (moderator)  
**Gianna Mannes**, President and CEO, ENMAX Corporation

10:15-10:45 **Networkig Break** TRADESHOW FLOOR

10:45-12:00 **A: Community Energy Planning:  
Getting to Implementation**

BONAVISTA

Community Energy Planning: Getting to Implementation in Canada (GTI) is a national initiative helping over 200 communities, representing 50 percent of the population, implement Community Energy Plans (CEPs). Be one of the first to see the Community Energy Implementation Framework, a guide that helps local governments, elected officials, utilities, the real estate sector, and others, create the conditions for successful CEP implementation. In this session you will have an opportunity to engage in a dialogue with the GTI Pilot Communities and your peers about CEP implementation.

**Cheryl DePaoli**, Executive Director, Alberta Real Estate Foundation (moderator)  
**Dick Ebersohn**, Program Manager, Climate Change, City of Calgary, Alberta  
**Rob Kerr**, Manager, Community Energy, City of Guelph, Ontario  
**Chris Osborne**, Senior Planner, Campbell River, British Columbia

# DAY TWO TUESDAY OCTOBER

**B: High Performance Buildings  
and City Standards**

BRITANNIA

Deep retrofits, renewables, fuel switching, and recommissioning - this session will look at how buildings can help meet Canada's climate change targets. Panelists will explore key recommendations to get us there.

**John Godden**, Principal, Clearsphere (moderator)  
**Betsy Agar**, Research Manager, Renewable Cities  
**Morgan McDonald**, Director of Operations, Ledcor Renew  
**Geoffrey Stevens**, Urban IoT Manager, Future Cities Catapult

12:15-1:45

1:45-2:45

2:45-3:45

3:45-5:00



AFTERNOON

## Smart Energy for Small, Rural, Remote and First Nations Communities

**Lunch Keynote** BELAIRE/BRITANNIA  
**Low Carbon Partnership at Work**

**Brent Gilmour**, Executive Director, QUEST (moderator)  
**Chad Park**, Chief Innovation Officer, The Natural Step  
**Elizabeth Sheehan**, Climate Smart BC

**Speakers Panel** BELAIRE/BRITANNIA

**Gordon Van Tighem**, Co-Chair, QUEST North Caucus (moderator)  
**Melanie Bayley**, VP of Innovation & Engineering, ATCO  
**Larry Sault**, former Chief of the Mississaugas of New Credit First Nation  
**Rebecca Sullivan**, GM Stakeholder & Aboriginal Relations, Suncor Energy

How are utilities and industry leaders revolutionizing the way energy is produced, delivered and used in small, rural, remote and First Nations communities? What are the partnerships needed to allow smart energy projects to advance and what lessons can be learned from the experience of industry and utilities in Fort McMurray? The plenary will explore Smart Energy Communities through the lenses of risk mitigation, smart energy options for small, rural, remote and First Nations communities, and harnessing technology to minimize the impact of extreme weather events.

### **Interactive Small Roundtable Discussion with Industry Experts**

Join community and industry leaders for knowledge sharing and capitalising on an opportunity with the goal of supporting Fort McMurray to become Canada's model for Smart Energy Communities.

BELAIRE/BRITANNIA

**Dale Littlejohn**, Executive Director, Community Energy Association  
**Erin Welk**, Communities Consultant, Urban Systems  
**Teresa L. Chilkowich**, Community Energy Coordinator, Artic Energy Alliance  
**Rob Kerr**, Manager, Community Energy, City of Guelph  
**Dany Robidoux**, Director, Eco-West

**Alberta's Green Energy Doors Open Kickoff  
Reception** TRADESHOW FLOOR



DAY THREE  
**WEDNESDAY**  
OCTOBER

QUEST 2016  
STUDY TOUR

# 19

QUEST and Decentralised Energy Canada (DEC) have partnered to bring you **Alberta's Green Energy Doors Open (GEDO)**. On October 19th, we invite you to experience Calgary's backyard as you visit the energy projects and neighbourhoods that are defining Smart Energy Communities. Last year, over 150 organizations opened their doors to more than 5,000 attendees in Alberta and Ontario.

## Tour #1

9:00 - 10:30  
**ENMAX District Energy Centre**

Commissioned in 2010, the ENMAX District Energy Centre is the largest privately owned facility of its kind in Alberta. It houses four large boilers which produce 55 MW of thermal heating capacity.

The District Energy Centre can heat nearly 8 million square feet of commercial, residential, and institutional space in Downtown Calgary and the East Village.



11:00 - 12:00  
**University of Calgary - CHP**

In 2011, the University of Calgary worked with Stantec Consulting to convert its central heating and cooling plant into a cogeneration facility that cuts CO2 emissions by 80,000 tonnes annually, far below both national and global standards. This facility takes the natural gas normally used to produce heat and instead uses it to run a gas turbine that generates electricity for the campus. The waste heat produced by the turbine is used to heat all of the buildings on the main campus. By using this waste heat, a total energy efficiency of 75 percent can be achieved.



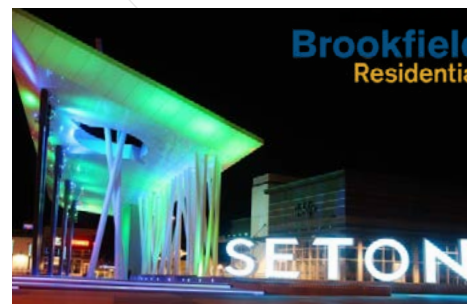
12:30 - 1:30  
**GE Innovation Centre**

The GE Customer Innovation Centre (CIC) brings together global experts and advanced analytical tools to explore, analyze and solve business challenges. The tour will kick off by showcasing the Centre and how it is incubating new technologies from start-ups working hand in hand with industry professionals and higher education partners. In addition, you will see leading edge solutions to help communities across Canada improve their energy efficiency and move towards cutting edge smart community solutions. Along the way GE will show how they are de-risking capital projects, extracting energy from waste, keep communities safe from pipeline leaks, creating renewable power solutions, and lowering the cost of lighting in communities.

## Tour #2

9:00 - 10:30  
**Seton - Calgary's South Urban District, by Brookfield Residential**

One of the most comprehensive mixed-use developments in North America, Seton's plan includes over two-and-a-half-million sq.ft. of office and retail space, a 16-acre Seton Central Park, public library, schools, 1,300 multi-family residences, an active main street, Calgary's new South Health Campus as well as the City announced regional recreation centre - all serviced by the future southeast LRT.



11:00 - 12:00  
**ATCO CHP Facility Okotoks**

The 14,000 square foot building services nearly 24,000 customers across Okotoks and the foothills, all while boasting state of the art efficiency through a small-scale combined heat and power technology. The building features a number of energy efficient systems like low-voltage lighting that dims automatically on brighter days and block heaters that operate at cold temperatures and cycle on and off every 20 minutes. The construction of the new facility also creates more history between Okotoks and ATCO, which have been in a partnership since 1912.

**ATCO**  
ALWAYS THERE. ANYWHERE.

12:30 - 1:30  
**Drake Landing Solar Community**

Drake Landing Solar Community is Canada's largest subdivision of energy-efficient and environmentally-responsible homes, and the continent's first major implementation of seasonal solar thermal energy storage. This technology overcomes a longstanding obstacle facing the widespread use of solar heating: the cold, dark winter season. The community's innovative design allows solar energy absorbed in the summer months to be stored underground and returned to the homes as heat in the winter. The community consists of 52 single-family homes.



## Tour #3

9:00-3:30  
**Energy Futures Lab: The Newtonian Shift**

Energy Futures Lab: The Newtonian Shift is a dynamic workshop experience designed to glean insights about the emerging energy transition.

**Come experience the energy transition in action!**



# ADVANCING SMART ENERGY COMMUNITIES IN CANADA



QUEST is a leader in the development of Smart Energy Communities. Smart Energy Communities improve energy efficiency, enhance reliability, cut costs, and reduce greenhouse gas emissions.

By conducting research, engagement and advocacy, QUEST supports governments, utilities & energy service providers, the real-estate sector, the product and professional services, among others, to grow and service the Smart Energy Communities marketplace.

With a national network of 8 provincial and regional Caucuses and a reach of 10,000+ stakeholders, QUEST is making Smart Energy Communities a reality.

## QUEST Board of Directors

**Michael Harcourt**  
*Chair*  
**Michael Cleland**  
*Vice-Chair, Secretary & Treasurer*  
**Paul Kariya**  
*Member*  
**Patricia Newson**  
*Member*  
**Kenneth B. Ogilvie**  
*Member*  
**Vicky Sharpe**  
*Member*

## QUEST Staff

**Brent Gilmour**  
*Executive Director*  
**Richard Laszlo**  
*Director, Research & Strategic Initiatives*  
**Tonja Leach**  
*Director, Communications & National Affairs*  
**Alex Benzie**  
*Coordinator, Ontario Caucus*  
**Lisa Buckley**  
*Senior Lead, Programs & Services*  
**Michael Lee**  
*Coordinator, Research & Strategic Initiatives*  
**Sarah Marchionda**  
*Manager, Research & Strategic Initiatives*  
**M. Samantha Peverill**  
*Coordinator, Nova Scotia Caucus*  
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