

SMART ENERGY COMMUNITIES CATALOGUE



FROM BOUTIQUE TO BIG

The 'Smart Energy Community' is no longer a headscratcher for policy makers, utilities, and industry. From coast to coast to coast, it's fast becoming the new normal.

THE SECRET IS OUT. In the past year, all of the various players in Canada's energy-sector ecosystem—transportation innovators, power producers, big- and small-city mayors, battery makers, utility regulators, you name it—have concluded that massive change is underway.

In response, growing numbers of them are coalescing around a positive and compelling vision of Canada's energy future.

That vision is local—in fact, it's as local as it gets. Because while large, energy infrastructure projects still steal the headlines, the really exciting story is unfolding down on Main Street, out of sight and out of mind. It's yielding stronger local economies, lower energy costs for citizens and corporations, improved resilience and security—and, almost as a happy accident, cleaner air, lands, and waters.

We can see glimpses of this future today. In multiple vibrant communities across Canada, many of us are already working closer to home in high performance buildings, and spending less time, money, and effort getting where we need to go. Eventually, all the requirements of daily life, all of the services that energy provides and the things that make neighbourhoods function—transportation; building heating, cooling, and hot water; lighting; wireless data networks; resource-recovery operations—will be working together in a kind of "invisible symphony."

For those of you just joining us, we're describing the core characteristics of a Smart Energy Community.

QUEST first articulated this exciting vision back in 2007, and still serves as its leading advocate. We're a neutral, non-partisan, and business

friendly non-profit service organization. We help governments identify and lower barriers, we help utilities adapt to change, and we help companies identify and leverage emerging opportunities in the growing smart energy community marketplace.

We've helped hundreds of policy makers, utility leaders, regulators, and corporate executives position their communities and organizations for success in this new world.

Here's what we do today:

WE EDUCATE AND ADVISE

We're putting the finishing touches on Canada's first Smart Energy Communities Scorecard.
Once completed in late 2019, the Scorecard will benchmark Canada's Smart Energy Communities and allow them to evaluate their progress towards their ultimate goal. The Scorecard will serve as a de facto Smart Energy Community roadmap, and a powerful tool for business leaders across multiple sectors.

We provide trusted and independent Advisory
Services to help businesses succeed in the Smart
Energy Communities marketplace. The menu
includes energy mapping workshops, community
energy planning support, and custom a la carte
services. All our offerings aim to help you evolve
and adapt your business model to ensure your
success in the emerging marketplace. Our
experienced multi-disciplinary team represents
50 years of combined specialized knowledge.

WE FACILITATE CONNECTIONS

QUEST Subscribers benefit from advanced tools and services to establish themselves as Smart Energy Community market leaders. They gain entry into a network of working groups that focus on implementation, infrastructure, clean tech, and smart tech, our term for products and

services that enable advances in the Internet of Things world. Participants represent all levels of government, utilities, energy service providers, the building development sector, just to name a few

We also connect our broader network through a regional networking and accelerator series called "QUESTtalks: Disruption and the Smart Energy Solution." These events bring together experts from the world of government, utilities, energy-service providers, real estate development, and the product and professional-services sector to dig in on the forces disrupting markets and communities.

WE INFORM LEADERSHIP

Our research projects help inform policy making and investment decisions. Our working groups are active in each region, offering advice and recommendations to government stakeholder sessions. Our PLUS Level subscribers gain entry to the Smart Energy Leaders' Dialogue—an intimate and exclusive annual forum for senior decision-makers.

If you'd like to learn more about how your jurisdiction or organization can position itself for success in the Smart Energy Communities market, please get in touch. We would be pleased to discuss your needs!

IN OUR VISION,

by 2030 every Canadian community is a **Smart Energy Community.**

BY TURNING OUR COMMUNITIES TO SMART ENERGY COMMUNITIES, WE CAN IMPROVE ENERGY EFFICIENCY, ENHANCE RELIABILITY, CUT COSTS AND REDUCE GREENHOUSE GAS EMISSIONS IN CANADA.

WHAT DO SMART SMART ENERGY COMMUNITES LOOKLIKE? HARNE

ENERGY EFFICIENCY

From building automation to street lights, Smart Energy Communities take advantage of the full potential of energy efficiency and capitalize on lower energy costs, cutting emissions, and improving operating performance.

HARNESSING LOCAL ENERGY

Smart Energy Communities
harness local energy
opportunities. These can
be stock opportunities like
solar, wind and geothermal,
or they can be opportunities
that are tailored to a community like
water source cooling,
sewage heat capture, biomass
for heating, and biogas
for electricity and
transportation fuel.



INTEGRATING CONVENTIONAL ENERGY NETWORKS

Electricity, natural gas, district energy, and transportation fuel networks in a community are better coordinated to match energy needs with the most efficient energy source. When conventional energy networks are integrated, it opens the door to innovations like alternative fuel vehicles, energy storage, waste heat capture, and combined heat and power.

LAND USE PLANNING

Smart Energy Communities integrate land use and transportation, recognizing that poor land use decisions can equal a whole lot of energy waste.

LOCAL GOVERNMENT, ASSOCIATIONS & NON-PROFITS

OS Association of Municipal Administrators of NB Canadian Electricity Association

Canadian Gas Association

Canada Green Building Council

City of Burlington

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City of Campbellton

City of Charlottetown

City of Fredericton

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City of Halifax

City of London

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Decentralized Energy Canada

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PRODUCT & SERVICE SUPPLIERS

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Alectra Energy Solutions

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CEM Engineering

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Co-genergy

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CWB Maxium Financial Inc.

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Dillon Consulting Limited

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Ecosystem

EllisDon Corp.

Emerson

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ERTH

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28 GSS Integrated Energy Ltd.

Heirloom Investment Management

HH Angus

IEPS Canada

29 Isoplus Piping Systems Inc.

Microsoft Canada

30 Novus Environmental Inc.

Ramboll

Samsung Renewable Energy Inc.

Stantec

31 Sundara Energy

S2e Technologies

32 Team Power Solutions

Toromont Energy Ltd.

Total Power Limited

Whatif? Technologies

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Zizzo Strategy

REAL ESTATE SECTOR

36 BOMA Toronto

Brookfield Residential

Killam Apartments REIT

Mattamy Homes

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UTILITIES & ENERGY PROVIDERS

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Atlantic Power Corporation

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Efficiency Nova Scotia

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Enerflex / Gas Drive

Energy Solutions

ENMAX Corporation

45 Envest Corp.

Enwave Energy Corporation

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FortisBC Alternative Energy Services Inc.

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FVB Energy Inc

GAL Power Systems

GE Distributed Power

48 Groundswell Energy

Halifax Water

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Heritage Gas Limited

Hydro Ottawa

Independent Electricity System Operator

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Magnolia Generation

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Union Gas Limited

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2G Energy Inc.

LOCAL GOVERNMENT, ASSOCIATIONS & NON-PROFITS



ASSOCIATION OF MUNICIPAL ADMINISTRATORS OF NB

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The Association of Municipal Administrators of New Brunswick is a professional association devoted to the education and development of municipal administrators to ensure excellence in municipal administration and service delivery.



Association canadienne de l'électricité

CANADIAN ELECTRICITY ASSOCIATION

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The Canadian Electricity Association (CEA) is the authoritative voice of Canadian electricity, promoting it as a key social, economic, and environmental enabler that is essential to Canada's prosperity. CEA members generate, transmit, and distribute electrical energy to industrial, commercial, residential, and institutional customers across Canada. Members include integrated electric utilities, independent power producers, transmission and distribution companies, power marketers, and the manufacturers and suppliers of materials, technology and services that keep the industry running smoothly.



CANADIAN GAS ASSOCIATION

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The Canadian Gas Association (CGA) is the voice of Canada's natural gas distribution industry. CGA members are natural gas distribution companies, transmission companies, equipment manufacturers, and other service providers. Canadian natural gas distribution companies deliver natural gas to approximately 6.8 million homes, schools, hospitals and places of worship, to meet their energy needs. Combined this represents almost one-third of all the energy needs in Canada, coast to coast to coast. By our estimate that is well over 20 million Canadians who currently have the opportunity to benefit from the affordable, reliable, clean, and safe energy service that natural gas utilities provide.

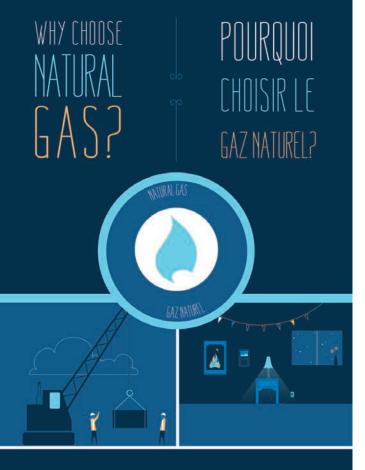


CANADA GREEN BUILDING COUNCIL

Sarah Burns

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CaGBC is the leading national organization dedicated to advancing green building and sustainable community development practices. As the voice of green building in Canada, we work closely with our national and chapter members in an effort to make every building greener.



Because it offers safe, reliable, clean, affordable, innovative energy solutions to meet tomorrow's energy needs.

Parce qu'il offre des solutions d'innovation énergétique sécuritaire, fiable, propre et abordable pour les nouveaux besoins énergétiques de demain.



Plus de 6.8 millions de foyers, d'établissements, flottes de transport et d'industries au Canada utilisent actuellement le gaz naturel. Demain, cette ressource abordable, polyvalente, sécuritaire et fiable ouvrira la porte à encore plus de possibilités.





CAPE BRETON REGIONAL MUNICIPALITY

David Brushett

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Cape Breton is geographically the largest regional municipality in the northeast of Cape Breton. It is an amalgamation of the City of Sydney and a number of Towns. The population of CBRM is approximately 95,000. The Municipality is an active member of the Nova Scotia Municipal Energy Learning Group (MELG). MELG participants are leaders in moving toward achieving provincial GHG emissions reduction goals and transitioning towards Smart **Energy Communities.**



CITY OF CALGARY

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The City of Calgary is currently developing a comprehensive plan to build Calgary's climate resilience which includes Climate Change Adaptation and Mitigation. Currently, the majority of Calgary's GHG emissions come from transportation and buildings and this plan will develop actions to reduce emissions, conserve energy and reduce costs to its citizens. Corporately, The City of Calgary has adopted a Corporate Energy Plan which is providing oversight to energy conservation and renewable energy generation efforts within its operations. Significant investments have already been made in wind, solar and building retrofits.



CITY OF CAMPBELLTON

Stephanie Anglehart-Paulin

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Campbellton is a great place to live and the city is working to maintain and improve this while protecting the region's special heritage. The city rates highly with its sports facilities and the outdoor wonder of its parks and playgrounds. They are building the platform for a city that will continue to be recognized for its quality of life, educational opportunities, and social and cultural diversity.



CITY OF BURLINGTON

Lynn Robichaud

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The City of Burlington is in the process of implementing its first Community Energy Plan in partnership with Burlington Hydro, working with a number of community stakeholders. The plan focuses on community engagement, energy efficiency, local energy generation and security, as well as land use and growth, and an efficient transportation system. A key action in the plan involves assessing the opportunity for a local community energy system, such as district energy.



CITY OF CHARLOTTETOWN

Ramona Doyle

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The beautiful City of Charlottetown is located on the south shore of Prince Edward Island, just off the eastern shore of Canada, in the Gulf of St. Lawrence, separated from the mainland by the Northumberland Strait. A quality of life that is second to none. Big city amenities, restaurants, nightlife, theatre, entertainment, and arts and culture that only a Cultural Capital of Canada would be able to provide.



CITY OF FREDERICTON

Bruce Good

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Nestled along the shores of the beautiful Saint John River, Fredericton is as much urban energy as small-town charm. For visitors, it's the ideal home base for exploring not just the attractions of the city, but the entire capital region. The city itself is rich in history, nature, art, dining, and a youthful energy complements of the vibrant student population.



CITY OF GUELPH

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guelph.ca

The Community Energy Initiative is Guelph's commitment to use and manage energy differently, and better, than we have in the past, with the target of achieving net zero carbon by 2050. The initiative will also continue to attract quality investment to the city. After all, experts agree that a reliable, sustainable energy supply is and will continue to be a key ingredient in the long-term competitiveness and prosperity of cities. Guelph has a comprehensive and integrated strategy that includes efficiency, local generation, and fuel switching projects with support from the City of Guelph Office of Climate Change and local non-profit Our Energy Guelph.



CITY OF HALIFAX

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The City of Halifax is the capital city of Nova Scotia. It is located on the East Coast of Canada on the Atlantic Ocean. Halifax is closer to Europe than many other North American cities by airplane. It is also closer to New York and Boston than any other major Canadian city. According to our last estimate, Halifax has a population of 417,847 people.



CITY OF SAINT JOHN

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The City of Saint John is Canada's first incorporated city (1785). It is centrally located on the southern New Brunswick coast of the Bay of Fundy at the confluence of the St. John River system, and is the largest municipality in the province at 316.3 square kilometers. The City of Saint John was awarded QUEST's 2017 Smart Energy Communities Award in the Local Public Service Sector category for their Municipal Energy Efficiency Program (MEEP) - the first integrated energy management system in Atlantic Canada.



CITY OF SUMMERSIDE

Gerald Giroux

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Prince Edward Island is known around the world for its sandy beaches, rich culture, and diverse culinary offerings. The City of Summerside has all those things and more. With a trip to Summerside, you'll enjoy stunning ocean views, acres of green spaces, unique shopping experiences, world-class theatrical and musical performances, and more. Visitors to Summerside enjoy the amenities of a much larger City, only on a smaller scale and with a bit more charm.



CITY OF LONDON

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London spends almost \$1.5 billion on energy every year, and almost 90 percent of this money leaves London. We also emit about 3 million tonnes of GHG emissions every year, and we need to keep taking action on air quality and climate change. London's Community Energy Action Plan encourages energy conservation, energy efficiency, smart design, and renewable energy to reduce energy costs, reduce fossil fuel use, and create jobs.



CITY OF MONCTON

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Recreationally, culturally, and economically, Moncton is truly a city on the rise. Take in concerts, be moved by the ballet and experience the best retail shopping in Atlantic Canada. Attractions, dining, music and heritage that seeps onto the street and enriches your heart. Make the centre of the Maritimes the centre of your vacation experience.



DECENTRALIZED ENERGY CANADA

Anouk Kendall

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Decentralised Energy Canada (DEC) is a federally incorporated corporation under Canada's Not-for-Profit Corporations Act. We are a member-driven, national industry association that was established in 2002 and we are one of Canada's most diversified and successful industry networks. Our vision is a sustainable energy future where affordable, efficient and reliable DE technologies are deployed in community driven markets and enabled by progressive policies and legislation.



ELECTRICITY HUMAN RESOURCES CANADA

Marie Mould

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The EHRC is Canada's most trusted source of accurate human resources information and tools to help the Canadian electricity industry match workforce supply and demand. This allows the industry and its employees to grow and innovate, improving the quality of service to all Canadians. The industry-acknowledged strength of the EHRC is its ability to bring together key stakeholders from across Canada. EHRC is governed by an industry-represented Board of Directors and managed by a staff team based in Ottawa.



METRO VANCOUVER

Jason Emmert

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Metro Vancouver is a federation of 21 municipalities, one Electoral Area and one Treaty First Nation that collaboratively plans for and delivers regional-scale services. Its core services are drinking water, wastewater treatment, and solid waste management. Metro Vancouver also regulates air quality, plans for urban growth, manages a regional parks system, and provides affordable housing. The regional district is governed by a Board of Directors of elected officials from each local authority.



MUNICIPALITE REGIONALE DE TRACADIE

Joannie Theriault

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The Municipality of Tracadie is the centre of services for the Acadian Peninsula. More than 400 businesses of all types can be found in the area. The Town seeks to attract new businesses and new industries while working to maintain and improve the quality of life of its citizens. Tracadie is a place where development and well-being go hand in hand!



MUNICIPALITY OF THE COUNTY OF ANTIGONISH

Tammy Feltmate

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Antigonish is in the northeastern corner of Nova Scotia (pop. 5,195). It is a hub and service center for the rural communities surrounding it. With a diverse and growing population, Antigonish is a family friendly town with lots of opportunity, access to good education at all levels, recreation, sports, and culture activities. It is surrounded by rolling countryside with hiking and beautiful beaches.



MUNICIPALITY OF THE DISTRICT OF LUNENBURG

Doug Reid

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odl.ca

The Municipality of the District of Lunenburg is the third largest rural municipality in Nova Scotia in terms of total property assessment and encompasses a geographic area representing over 432,000 acres. Our municipality surrounds the towns of Bridgewater, Lunenburg, and Mahone Bay, which are incorporated separately and not part of the district municipality. The Municipality is home to a population of over 24,863.





MUNICIPALITY OF THE DISTRICT OF YARMOUTH

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The Municipality of the District of Yarmouth is a government in the southwestern Nova Scotia, rural setting adjacent to the Atlantic ocean. The Minicipality is an active member of the Nova Scotia Municipal Energy Learning Group (MELG). MELG participants are leaders in moving toward achieving provincial GHG emissions reduction goals and transitioning towards Smart Energy Communities.



MUNICIPALITY OF DIGBY

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The Municipality of the District of Digby is positioning itself to become the "greenest municipality" of Nova Scotia, and is embarking on an ambitious strategy to alter its energy consumption and production. The Bay of Fundy offers tremendous potential for development which could lead to significant jobs as tidal development companies harness the kinetic energy of the Bay of Fundy. Digby's proximity to the deployment area makes it an ideal candidate to become the service and maintenance centre for this development.

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together.suncor.com



REGIONAL MUNICIPALITY OF WATERLOO

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The Regional Municipality of Waterloo provides more than 60 percent of municipal services to a growing population of 575,000 people. We are committed to creating an inclusive, thriving, and sustainable community through innovative leadership and a range of services such as: public health, social services, planning, heritage, water supply, regional roads, waste management, ambulance service, rural libraries, public transit, community housing, emergency planning, Provincial Offences Courts, and airport services.



REGION OF DURHAM

Brian Kelly

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The Region of Durham is situated in the Golden Horseshoe, immediately to the east of Toronto within the Greater Toronto Area. Durham encompasses an area of approximately 2,590 square kilometres and is comprised of 8 local area municipalities; Pickering, Ajax, Whitby, Oshawa, Clarington, Uxbridge, Scugog and Brock. The area is characterized by a variety of landscapes and communities; a series of lakeshore urban communities contrast with a variety of small towns, villages and towns.



TOWN OF BRIDGEWATER

Leon de Vreede

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The Town of Bridgewater is located in Lunenburg County on the South Shore of Nova Scotia, about 1 hour from Halifax. It is home to about 8,700 residents, as well as regional government services and a large number of commercial and industrial operations, giving rise to is reputation as the "main street of the South Shore". Since 2008, Bridgewater has developed an ambitious sustainability program that includes innovative community engagement and energy planning activities.



TOWN OF OAKVILLE

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A 30-minute drive from downtown Toronto, Oakville is a great destination. Residents and visitors enjoy theatre, dance, music and comedy performances at the Oakville Centre for the Performing Arts. Other points of interest include galleries, historical societies and local architecture. Enjoy the acres of park space, many with groomed hiking trails, or join a recreation centre which provides programs for all ages. Residents are proud of the quality of life this great community has to offer.



RETHINK SUSTAINABILITY INC.

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RSI is an exchange for engaging and partnering with thought-leaders, innovators and organizations to advance the sustainability and resiliency of businesses, institutions and communities to thrive into the future. Our exchange, through formal and informal discussions, action-learning accelerators, publications, online and in print, provides access to progressive leaders and actionable insights for Canadians and our global partners.



TOWN OF AMHERST

Andrew Fisher

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Make Amherst your home base for all of your Nova Scotia activities, festivals, and events. Stay in a beautiful historic B&B or a contemporary hotel and take day trips to tour the depths of a coal mine, hunt for 300-million-year-old fossils by the Bay of Fundy, swim at Nova Scotia's warmest ocean beaches, and enjoy fresh seafood at the shore.

Smart energy solutions for your community.

By leveraging our experience with municipalities, we can help your community connect with energy now and into the future.



Electricity, natural gas and renewable energy solutions.



Scalable customer care and billing services.



Solar*, district energy, combined heat and power.



Safety focused and reliable services for high voltage power and telecom infrastructure.

>> energysolutions@enmax.com







TOWN OF QUISPAMSIS

Cathy Snow

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Quispamsis, New Brunswick, is situated along the breathtaking Kennebecasis and Hammond River waterways. This picturesque suburban community is located in southwestern New Brunswick, 22 kilometres northeast of the City of Saint John. The short distance from the Fundy Fog belt and the cool breezes of the Atlantic Ocean permit warmer temperatures during spring and summer. Quispamsis is a progressive, vibrant community with many attractive residential opportunities for all types of family units.



TOWN OF STRATFORD

Ben Grieder

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The Town of Stratford is committed to building a strong local economy, preserving heritage, celebrating our diverse culture, and respecting the natural environment entrusted to us for present and future generations. Stratford is situated on a peninsula just south of Charlottetown, the provincial capital. Stratford is surrounded with magnificent water views bounded by Fullerton's Marsh, the Hillsborough River, Charlottetown Harbour, and the Hillsborough Bay.



THE CORPORATION OF THE CITY **OF WINDSOR**

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The City of Windsor, one of Ontario's best kept secrets, and the proud International Gateway between Canada and the United States of America is an incredible community that offers worldclass entertainment, fascinating historical and cultural landmarks, and unparalleled waterfront parks and gardens. Here, visitors will find a city committed to being a creative and vibrant destination that encourages artistic expression and celebrates our cultural identity and diversity. The City of Windsor is represented by a single-tier municipal government. In 2017, the City of Windsor approved the City's first Community Energy Plan.



UNION OF MUNICIPALITIES OF NEW BRUNSWICK

Margot Cragg

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The Union of Municipalities of New Brunswick (UMNB) is a bilingual association representing 60 municipalities across New Brunswick. UMNB works to build strong, sustainable cities, towns, villages, and rural communities throughout the province.



TOWN OF SUSSEX

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sussex.ca

The Town of Sussex is located in south central New Brunswick, Canada, strategically between the province's three largest cities; Saint John, Moncton, and Fredericton. Sussex has a great deal to offer individuals and families who like small town charm with all the amenities and services of a larger centre.



THE CORPORATION OF THE TOWN **OF CALEDON**

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The Town of Caledon, a geographically diverse municipality located in Northwestern GTA, recently completed a residential energy study with funding from the Ministry of Energy. This study will inform the update of the Town's renewed Climate Change Plan which will include mitigation and adaptation initiatives, such as low carbon and resilient energy systems. Caledon also offers a Green Development Program which provides development charge discounts to encourage green technologies in commercial and industrial development.



VILLAGE OF PERTH ANDOVER

Dan Dionne

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Located in the heart of the Appalachian Mountains and spread over both sides of the Saint John River, this historic village offers visitors experiences that will excite all five senses. See, hear, smell, taste and touch all the area has to offer.



VILLE D'EDMUNDSTON

Jacques Doiron

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Edmundston is the perfect place to take a moment and stop along the way of your travels. Nestled between sparkling rivers and mountains weathered by time, the city of Edmundston is sure to impress you. It's time to awake your senses by cycling the Petit Témis trail or the mountain biking trails, touring the Fortin-du-Petit-Sault-Petit-Sault-Blockhouse, tasting the traditional ployes, or simply taking a relaxing walk downtown as you tour the city.

Product & Service Suppliers



AALTO

Lisa Aalto

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AALTO INC. has over 20 years experience importing, marketing and servicing flow and thermal energy (BTU) metering systems. Typical applications include: District Energy, Commercial and Residential Submetering, Solar, Geothermal and Research.



AERA ENERGY SOLUTIONS

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AERA Energy Solutions serves the ever challenging sustainability needs of our customers: energy conservation, distributed generation, facility renewal, and renewable energy. AERA Energy Solutions is a network and of industry professionals each of whom are seasoned business consultants, engineers, and financial experts. We assemble our teams on a project by project basis to bring the highest value to our customers and help ensure the successful implementation of a project initiatives and the continuing success of their business operations. Call AERA for CHP or global adjustment projects, energy conservation initiatives, central utility plant upgrades, district energy, heat recovery opportunities. AREA provides project development support, capital planning, engineering services, project management, and owner services.

AECOM

AECOM

Marie-Jose Croonen

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AECOM has engineered and/or constructed more than 280,000 MW of electricity worldwide. They provide clients a single source for multidisciplinary engineering, environmental and management services. From international and domestic market analysis, to siting and permitting, through final project development and execution, they develop, design and construct projects that enhance infrastructure, reduce energy and water consumption, and generate traditional and renewable power. AECOM's understanding of the big picture – such as the interconnection between generation, transmission, storage, grid improvements, conservation and efficiency - allows them to deliver a holistic energy strategy tailored specifically to their clients' needs. Their experience with renewable and alternative energies includes everything from biomass and geothermal, to solar, wind, and hydroelectric generating systems qualifications and experience delivering a wide range of wind and solar projects across the U.S. and Canada.



ALECTRA ENERGY SOLUTIONS

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Alectra Energy Solutions is an Ontario-based company that provides customers with energy solutions through the use of innovative technologies related to solar generation, energy storage, metering, street lighting, and conservation. Alectra is equipped to discover the possibilities of energy conservation and new technologies for customers in various sectors safely and reliably.



ARMSTRONG FLUID TECHNOLOGY

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With over 1,200 employees worldwide, operating in 27 countries on three continents, Armstrong Fluid Technology is known around the world as a leader and innovator in the design, engineering and manufacturing of intelligent fluid-flow solutions and related services. On the foundation of our core competencies in fluid flow, variable speed, demand-based control, and heat transfer we are uniquely positioned to combine high performance intelligent equipment, automation, optimization and real-time performance management offerings to deliver fully integrated, energy efficient building performance solutions.



CEM ENGINEERING

Martin Lensink

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CEM Engineering specializes in cogeneration and energy management solutions with a team of over 35 mechanical engineers, electrical engineers, civil/structural engineering, designers and support staff. Based in St. Catharines, Ontario, they provide a full range of services that include consulting, detailed design, contract administration and commissioning services. CEM Engineering can help you identify and implement any technology based solution which will result in less energy consumed helping you reach your environmental goals.



CITYINSIGHT

Jeremy Murphy

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CityInSight empowers cities in their climate, energy, and emissions planning to explore land-use, built form, and action scenarios for policy creation, finance allocation, and infrastructure decisions. CityInSight incorporates transportation, transit, building energy, energy production and transmission, solid and liquid waste, infrastructure and facilities, and much more in its assessments and scenario projections to give cities robust, well-informed decision-making options. For easy benchmarking and reporting, CltyInSight uses the Global GHG Protocol for Cities.



CO-GENERGY

Chris Cila

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Co-genergy Corp. is the distributor of global leading CHP manufacturers. Over 27 years Tedom Group has sold 8000 units with an installed capacity exceeding 1,800 MW. Tedom biogas technology is number 1 in the world. Yanmar, with over 106 years experience as an engine manufacturer, produce CHP and GHP equipment that have sold more than 250,000 units in 25 years. Cogenergy specializes in the design and application of CHP and GHP systems together with complementary technology. Co-genergy offers clients a complete energy solution for power, heat, cooling, CO2 cleaning, and energy storage.



SEARCHING FOR SMARTER WAYS TO BUILD



At Mattamy, we want to build for a better, greener future. For us, that means building smarter, more comfortable and efficient homes for our homeowners. We've built more ENERGY STAR® Certified homes across Canada than any other home builder. This has only encouraged us to look for more ways to create sustainable homes and communities across North America.



CORIX UTILITIES

Owen Matheson owen.matheson@corix.com (877) 678 3842

corix.com

Corix is a leader in the implementation of sustainable water, wastewater, and energy utility infrastructure solutions for small to medium-sized communities across North America. They are a privately held corporation principally owned by the British Columbia Investment Management Corporation (bcIMC) with head offices located in Vancouver, British Columbia and Northbrook, Illinois.



CWB MAXIUM FINANCIAL INC.

Rob Mabe

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CWB Maxium is a speciality cash flow lender funding underserviced high quality businesses. They provide structured loans and financing solutions to businesses in specific industries. Providing funding of up to \$50 million, they are active, present, and engaged in the markets they finance. CWB Maxium is a leading lender to Canadian businesses in the energy space including financing for renewable energy generation projects, smart energy heating and cooling projects including District Energy and CHP, building energy conservation measures, and other energy related projects.

mattamyhomes.com _____





DOHERTY ENGINEERING INC.

Dan Dionne

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Doherty Engineering Inc. (DEI) is a multi-disciplinary team of consulting engineers providing a comprehensive range of engineering services to the Industrial, Commercial and Institutional sectors. DEI specializes in combined heat and power (CHP), cogeneration and district energy systems encompassing virtually all technologies and fuel types, including renewable fuels. Services include: engineering studies infrastructure master planning, business case development, energy service agreements, project budgeting, engineering design, equipment and construction tenders, and contract administration.



ECOSYSTEM

Asaph Benun

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Ecosystem specializes in energy ecosystems — complex interconnected energy systems. They challenge the status-quo to design, implement, and guarantee solutions that increase efficiencies and drive out waste. Their expertise combines the knowledge of our multidisciplinary staff with the insight we've gained from every measure we have designed, implemented, optimized, and monitored over the past 20 years. The Ecosystem specialized knowledge base is unique in North America and enables us to deliver optimal results.



DBS POWER

Ray Samuels

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dbs provides a range of mechanical services including, electrical, HVAC, piping, and automation. Over the years, dbs has earned a reputation of dependability and service excellence among top corporations in Canada. Through its Power and Energy division, dbs PE provides turn-key solutions for the installation, and management of micro combined heat and power ("mCHP") systems. dbs Power and Energy is the leading provider of end-to-end mCHP solutions in Canada. To facilitate growth, the company is offering PPAs (power purchase agreements) to its customers who are multi residential property owners (REIT's, condos, apartments, & LT care facilities), and MUSH sector entities (municipalities, universities, schools & hospitals).



DILLON CONSULTING LIMITED

Mark Hunter

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Dillon is an employee-owned professional firm specializing in planning, engineering, environmental science, and management that partners with clients to provide committed to collaborative inventive solutions to complex, multi-faceted problems. Founded on the knowledge, passion, and relentless pursuit of the best solution for our clients, and the communities in which we work and live. Proudly Canadian since being founded in 1946 in London, Ontario, we have never stopped innovating, growing, building, and leading towards a better tomorrow.



ELLISDON CORP.

Jameson Wood

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EllisDon is a world-leading construction services company with quality, ingenuity, and client satisfaction at top of mind. As one of the strongest EPC contractors in the industry, they push the frontier of intelligent energy deployments in renewables, district energy, combined heat and power, and energy storage systems. EllisDon effectively takes on client risk by offering an array of inhouse services and procurement models, including design-build-finance maintain and PPA's. They call this approach, "Cradle-to-Grave". Contact EllisDon directly for your energy solution.



EMERSON

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Since 1890, Emerson has provided technology and services to residential, commercial, and industrial customers. The Industrial Automation segment offers solutions that measure, monitor, and control large scale refineries, manufacturing plants, chemical/water and wastewater facilities, nuclear operations, among other applications. It also supplies gas conditioning and compression equipment to CHP, biogas, and landfill gas customers. The Commercial & Residential segment offers turnkey services in the refrigeration and air-conditioning markets.

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EPS AB Energy Canada

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EPS AB ENERGY CANADA LTD.

Jan Buijk

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EPS AB Energy Canada Ltd. are part of Gruppo AB, a \$350M/yr global company that specializes in the supply and installation of gas engine driven CHP plants with as prime mover the GE Jenbacher gas engines. Their projects range in size from 250 kW to 50 MW. Worldwide they have supplied more than 1500 MW in CHP plants, have more than 900 engines under long term service agreements, a service organization with more than 250 specialized service technicians, a parts warehouse with more than \$20M in stock, including more than 70 Jenbacher gas engines, all supported by a 24/7 remote monitoring system where more than 1000 installations are monitored. Their business model is built around the supply of complete pre-engineered CHP plants that provides a customer with three interface points (gas at enclosure wall, electrical at generator/ breaker terminals, hot water / steam at enclosure wall) combined with lifetime support for the complete plant. They have office and warehouse facilities in Ontario and Alberta to support our Canadian business



ERTH

Tyler Moore

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ERTH Corporation is a diverse company with origins in the utility industry. Owned by eight municipalities, ERTH has grown to be a leading provider of products and services in many industries including utility, energy retailer, municipal, and commercial and industrial to name a few. With customers across North America, ERTH is committed to improving the overall customer experience while helping to lower operating and maintenance expenses for our customers.



FINNING

ellisdon.com

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Finning (Canada) has a global reputation for developing CHP solutions that are durable, economic, and reliable. By using the heat byproduct of electric generators, Cat CHP systems are integrated so waste heat is recovered and used for heating, cooling, dehumidification, and other process applications. With our broad range of Cat gensets, product support infrastructure and unmatched service capabilities, we deliver solutions that enable customers to achieve the lowest equipment owning and operating costs while maximizing uptime. Finning can offer single source supply for your entire CHP system.



FORUM VOSTRO ENERGY SERVICES

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Forum Vostro Energy Services builds, owns, and operates a portfolio of distributed on-site energy assets to provide clients with reliable energy at predictable, stable, and transparent cost. Their state-of-the-art energy solutions are both economically and environmentally sustainable for large commercial and industrial clients, ensuring reliable access to energy without the associated upfront capital and resource commitments.

D EllisDon



GSS INTEGRATED ENERGY LTD.

Mike Roppelt

mike@gssenergy.ca (780) 951 1458 groundsourcesolutions.com

GSS Integrated Energy Ltd. provides engineering consulting services for the design and project management of alternative energy systems. Services also include techno-economic and performance modeling and analysis of Integrated Energy Systems. GSS specializes in natural gas CHP generators, Thermal Energy Storage, and low temperature energy distribution systems ranging in size for single residences to community utility scale. GSS also carries the SmartPower CHP generators that range from 10kW up to 3 MW.



HEIRLOOM INVESTMENT MANAGEMENT

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Heirloom Investment Management (Heirloom) delivers institutional-quality investment solutions to families, HNWIs and small institutions via Cayman-domiciled funds and managed accounts. Heirloom was originally developed by Chief Investment Officer Geoff Dover as the in-house investment function for a Canadian family office, but spun-out in 2015 to make their investment strategy more widely available. Heirloom's cross-asset, macro-thematic, capital-preservation focused investment strategy has delivered 12.7% annualized returns since 2009.



ISOPLUS PIPING SYSTEMS INC.

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Isoplus Piping Systems has more than 35 years' experience as a leading supplier within the manufacturing of high-quality preinsulated piping systems such as rigid pipes for district energy networks, Pex pipe systems, and high-temperature piping suitable for steam. Pipes are delivered in compliance with EN 253 and API 5L.



MICROSOFT CANADA

Greg Dashwood

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Established in 1985, Microsoft Canada Inc. is the Canadian subsidiary of Microsoft Corp. (Nasdaq "MSFT"), the worldwide leader in software, services and solutions that help people and businesses realize their full potential.



HH ANGUS

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HH Angus designs District Energy systems, Combined Heat and Power (CHP) Systems, Centralized Cooling and Heating Plants, and manages Grid Connectivity for power producers. They have a deep base of knowledge in energy generation and distribution systems, and have engineered numerous energy systems for post secondary institutions, hospitals, municipalities, military bases, and commercial developments. Their CHP work includes natural gas and biogas-fueled generation and grid connectivity services.

BECL AND ASSOCIATES LTD.

IEPS CANADA

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BECL and Associates Ltd. (BECL) is a Canadian energy-consulting firm providing independent, expert advice and services. BECL brings together over 100 years of experience, skills and knowledge in four areas: Renewable electricity and energy storage; natural gas supply and electricity generation; Quantitative analysis, modelling and strategy development; Commercial contracting support.



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NOVUS ENVIRONMENTAL INC.

Nigel Taylor

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Novus Environmental Inc. specializes in the fields of air quality, wind & climate, sound & vibration, and sustainable water consultation with a goal of harmonizing the built and natural environments. Novus understands our future supply of energy depends on "traditional" thermal production using carbon fuels such as natural gas, coal, oil, and biofuels; but will also require an increasing use of alternative fuels such as nuclear, hydroelectric, and renewables such as solar, wind and geothermal.



RAMBOLL

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Ramboll is a leading engineering design consultancy with more than 45 years of experience in the planning, design, and implementation of energy solutions. Ramboll's core energy services are within energy, broadly focusing on district energy, offshore and onshore wind, energy from waste, and thermal power plants including co-generation. With an energy team of over 700, Ramboll provides expertise in all parts of the value chain. Ramboll employs 13,000 people in 300 offices across 35 countries.





SAMSUNG RENEWABLE ENERGY INC.

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Samsung Renewable Energy Inc. (SRE) is a subsidiary of Samsung C&T Corporation's Investment and Trading Group, and is a leading project developer specializing in renewable energy, energy storage and infrastructure serving utilities, industry and communities.



STANTEC

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Communities are fundamental. Whether around the corner or across the globe, they provide a foundation, a sense of place and of belonging. That's why Stantec always designs with community in mind. They care about the communities they serve—because they're their communities too. This allows Stantec to assess what's needed and connect their expertise, to appreciate nuances and envision what's never been considered, to bring together diverse perspectives so they can collaborate toward a shared success.



SUNDARA ENERGY

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Sundara Energy is a Consultant Firm with several years of expertise in the following areas. Carbon Emissions Program Management. Cap and Trade Program. Customer Facility Refit Project Management. Conservation Program Management. Energy Supply (Electricity and Natural Gas).



S2E TECHNOLOGIES

Derek Satnik

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Smart, solar, sustainable, net-zero. s2e is building better communities, launching new technologies, integrating green ideas, and changing the way we live, work and play. With a network of world-leading experts in everything from renewable energy like solar (from housing up to utility scale) to energy neutral net-zero energy communities to micro-utilities to the Internet-of-Things, s2e's team is originating new ideas, renewing old ones, building powerful teams and finding exciting ways to make low-carbon living feasible, profitable and fun.



TEAM POWER SOLUTIONS

Gregg McKechnie

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www.teampowersolutions.ca

Team Power Solutions is the integrator for 2G Energy Inc CHP systems in Alberta, Saskatchewan, and Manitoba. 2G Energy Inc is the largest supplier of containerized CHP systems and has over 4000 systems installed world-wide. Team Power Solutions utilizes their Field Service, Manufacturing, Engineering, and Automation divisions to deliver on their commitment of Innovation, Quality and Safety. Team Power Solutions has the capability to maintain your CHP system with a customized maintenance agreement delivering reliability to your facility.



TOROMONT ENERGY LTD.

Lou Colangelo

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Toromont Energy Ltd. specializes in packaging innovative combined heat and power (CHP) solutions utilizing Cat products for distributed power plants supplying energy to hospitals, district energy systems, and industrial processes using natural gas and renewable energy fuel sources. Our operational and management experience combined with turnkey power plant construction and unequalled product support capabilities ensures Toromont can meet your energy requirements.



XPANSIV

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Xpansiv is a commodity-differentiation platform. They help the market better understand itself by revealing vital insights from existing source data to more accurately value global commodities. They are a bridge between production systems, harnessing the information that matters to create impact-inclusive commodities. The result is unprecedented transparency, enabling conscious consumers to purchase cleaner energy, answering the demand for conscious commodities.



ZIZZO STRATEGY

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Industry heavyweights are urging investors and companies to incorporate climate change awareness into their business strategy. Climate change is now a core business issue; a "must do" from a financial perspective. Zizzo Strategy is a boutique consulting firm providing leading expertise in climate risk, resiliency and low-carbon solutions. They are a multi-disciplinary team of lawyers and engineering professionals who work at the interface of law, policy, science, technical innovation, and real world decision-making.



Generating peace of mind

TOTAL POWER LIMITED

Derek Neill

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For more than 55 years, the unparalleled reputation for delivering valuable generator solutions and superior customer service has been built by Total Power Limited loyal customers. They have grown to become one of Canada's largest and most well established Critical Power Specialists. The question really should be "Why NOT Total Power?" Respected throughout the industry, Total Power has built its success through expertise, integrity and innovation in providing power solutions.



WHATIF? TECHNOLOGIES

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Whatif? Technologies builds computer-based simulation models for energy, emissions, and financial planning that are used to provide scenario and policy analysis support to communities, large and small. We are co-developers of the open-source CitylnSight model - now in-use by several Canadian municipalities. At the provincial and national scale, we operate the Canadian Energy Systems Simulator (CanESS), a multi-sector, multi-fuel model energy supply and demand model.

Real Estate Sector



BOMA TORONTO

Bala Gnanam

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Celebrating its 100th anniversary in 2017, BOMA Toronto's mission is to develop, promote and advance best management practices in the real estate industry through advocacy, education and networking. BOMA Toronto represents over 80 percent of all commercial and industrial real estate companies in the GTA and beyond. These individuals are all leading building owners, property and facility managers, developers, corporate facility managers, leasing professionals, and a variety of companies that provide products or services to the commercial real estate industry.

Brookfield Residential

BROOKFIELD RESIDENTIAL

Doug Owens

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Brookfield Residential Properties Inc. is a leading land developer and homebuilder in North America. They entitle and develop land to create master-planned communities, build and sell lots to third-party builders, and operate their own homebuilding division. Brookfield Residential also participates in select, strategic real estate opportunities, including infill projects, mixed-use developments, and joint ventures. They are the flagship North American residential property company of Brookfield Asset Management, a leading global alternative asset manager.



OXFORD PROPERTIES

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Oxford Properties Group is a global platform for real estate investment, development, and management, with approximately 2,000 employees and close to \$50 billion of real estate assets that it manages for itself and on behalf of its co-owners and investment partners. Oxford has regional offices in Toronto, London and New York, each with investment, development and management professionals who have deep real estate expertise and local market insight. For more information about Oxford visit oxfordproperties.com.



KILLAM APARTMENTS REIT

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Killam Apartment REIT, based in Halifax, Nova Scotia, is one of Canada's largest residential landlords, owning, operating, managing, and developing a \$2.3 billion portfolio of apartments in the Alberta, Ontario, and Atlantic Canadian markets. Killam Apartment REIT trades on the TSX under the ticker KMP.UN.



MATTAMY HOMES

Subhi Alsayed

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Mattamy Homes is the largest privately-owned home builder in North America. Every year, Mattamy helps over 7,000 families realize their dreams of home ownership. Mattamy communities consider their impacts on the society, economy and ecosystem with smart energy as a consistent priority. Their 20,000+ Energy Star certified homes is a testament to their commitment to saving energy and leading the industry. Mattamy Homes is now expanding their sustainable initiatives to smart homes and communities.



The Best Places to Call Home.

For 60 years, our Alberta and Ontario teams have been creating the best places to call home. Our efforts are intrinsically tied to our core values of passion, integrity and community, which is ultimately about doing the right thing. We're pursuing innovation and improvements in the areas of livability, efficiency, community and people. In Alberta, we're piloting Passiv Haus construction - building a prairie home that relies on the sun rather than a furnace for heating. In Ontario, we're earning annual energy efficiency awards in RESNET's Cross Border Builder Challenge. Just some of the steps we're making to develop sustainable, lasting places.



Utilities & Energy Providers



ALECTRA UTILITIES

Shanto Chowdhury

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alectrautilities.com

Alectra Utilities is shaping the future of energy as we know it. They are writing the next chapter in the changing face of energy in Ontario based on astrong legacy from the past. They are moving forward - as one organization - to provide safe, reliable and innovative energy solutions to families and businesses across the Greater Golden Horseshoe area. Their mission is to be the energy ally that their customers expect them to be.



ALTAGAS UTILITIES INC.

Mark Filteau

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AltaGas Utilities Inc. is an Albertan based natural gas utility delivering safe, reliable and warm energy to consumers.



ATCO

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ATCO serves more than two million customers around the world, delivering innovative, sustainable, and integrated solutions in Structures & Logistics, Electricity, Pipelines & Liquids and Retail Energy. From the delivery of efficient and reliable energy for homes, businesses and communities, to affordable temporary and permanent structures, they build communities, energize industries, and deliver customer-focused infrastructure solutions like no other company in the world – anytime, anywhere.



ATCO ELECTRIC

François Blouin

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ATCO Electric develops regulated distribution and transmission projects and plays a key role in the growth of Alberta's industrial sector. Headquartered in Edmonton with 38 offices throughout its service area, ATCO Electric serves nearly 227,000 customers in energy-rich northern and east-central Alberta.



Discover the possibilities with an energy ally

Alectra Energy Solutions, provides innovative, smart energy solutions to residential, commercial, institutional and municipal customers. We strive to be an ally to our customers and are bringing forward new emerging technologies that will empower our customers and help shape the energy being used in our homes, workplaces and communities.

Learn more at alectrasolutions.com





ATCO GAS

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ATCO Gas is Alberta's largest distributor of natural gas, serving more than 1.1 million customers in nearly 300 communities. They build, maintain, and operate the natural gas distribution system that delivers natural gas to their customers' homes and businesses. Their delivery rates are among the lowest in Canada. These rates, approved by the provincial regulator, the Alberta Utilities Commission, ensure utility rates in Alberta are fair and transparent.



ATLANTIC POWER CORPORATION

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Atlantic Power is an independent power producer that owns power generation assets in nine states in the USA and two provinces in Canada. The generation projects sell electricity and steam to investment-grade utilities and other creditworthy customers predominantly under long term Power Purchase Agreements (PPAs) that have expiration dates ranging from 2019 to 2037. The Company seeks to minimize its exposure to commodity prices through provisions in the contracts, fuel supply agreements and hedging arrangements.





ENERGY MAPPING WORKSHOPS

QUEST's proprietary Energy Mapping Workshops bring the right stakeholders together for an engaging, hands-on approach to community energy planning. It provides a platform for multiple stakeholder groups to convene, coordinate, and implement innovative community energy projects and programs, resulting in more energy efficient, resilient and vibrant communities.



COMMUNITY ENERGY PLANNING SUPPORT

QUEST supports clients to enable Community Energy Plan (CEP) implementation. Our staff and Senior Associates draw on decades of experience and a vast network of community energy planning practitioners to bring your CEP to life.



CUSTOM SERVICES

Technology disruptors, extreme weather events, and a changing policy landscape are just some of the fundamental changes in the energy sector that present unprecedented challenges and opportunities. Our Custom Services are designed to help you navigate the Smart Energy Communities marketplace.



QUEST brought concrete and interactive tools and knowledge that proved invaluable for communities in the north in the development of their community energy plans. Their mapping exercise facilitated conversations between different stakeholder groups that may not have happened otherwise.



Francis Gallo Project Director, Biomass North Development Centre



CUMBERLAND ENERGY AUTHORITY

Raymond Hickey

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The Cumberland Energy Authority was formed in 2012 through an Inter-Municipal Agreement between the Municipality of the County of Cumberland, the former Town of Parrsboro, and the former Town of Springhill to promote regional energy development. The Cumberland Energy Authority is setting the standard of leadership in local government for the development of renewable energy, support of the progressive energy industry, and the encouragement of a sustainable future for our communities.



EFFICIENCY NOVA SCOTIA

Kaelan Keyes

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Efficiency Nova Scotia is Canada's first energy efficiency utility. Working with more than 170 local partners, we've helped over 400,000 program participants complete energy efficiency projects, saving Nova Scotians \$165 million in annual energy savings and over 840,000 tonnes of CO2 equivalent avoided annually. Our work is funded primarily by revenues from supplying electricity efficiency and conservation activities to Nova Scotia Power, which helps the utility meet Nova Scotia's electricity needs. Efficiency Nova Scotia provides rebates and incentives to help reduce energy through municipal operations, and education and advice for by-laws, policies and local events.













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ATCO serves customers around the world, delivering innovative, sustainable and integrated solutions in Structures & Logistics, Electricity, Pipelines & Liquids and Retail Energy.

Count on us if you need:

- Delivery of efficient and reliable energy for homes, businesses and communities
- Energy Management Services
- Cutting edge research and innovation projects
- District energy
- Solar, combined heat and power, renewable natural gas or distributed generation
- A customer-focused company with decades of experience and expertise
- Alternative fuel vehicle solutions (natural gas and electric) Learn how our innovative business solutions can make your life easier at **ATCO**.com





ENBRIDGE GAS DISTRIBUTION INC.

Malini Giridhar

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Enbridge Gas Distribution Inc. has been proudly serving the community for more than 170 years. They deliver natural gas safely and reliably to two million homes and businesses across Ontario. With safety as their ongoing priority, they are committed to making communities better places to live.



ENERFLEX / GAS DRIVE

James Manis

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Electric power capabilities & applications, an authorized Canadian distributor of GE-Jenbacher Power-Gen Solutions, equipment supply,complete turnkey solutions, combined heat & power production, peak shaving, remote off-grid island operation, wide range of fuel-source options, and 24/7 support, no matter how remote the location. Enerflex / Gas Drive offers a full range of engines to meet the increasing demands of the Power Generation market. They supply electric power packages ranging from 250 kW to 50 MW using reciprocating, natural gas driven engines.





ENERGYSOLUTIONS

Denis Fourcaudot

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EnergySolutions is an international nuclear services company headquartered in Salt Lake City, Utah, with operations throughout the United States, Canada, and Japan. EnergySolutions is an industry leader in the safe recycling, processing, and disposal of nuclear material. They provide a full range of Decommissioning and Decontamination (D&D) services to shut down nuclear power plants. Their customers include the United States Government, all United States Nuclear Power Plants, along with various medical and research facilities.



ENMAX CORPORATION

Jan de Wolde

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ENMAX Corporation is a utility company headquartered in Calgary. Through our predecessors, we have more than 100 years of experience delivering electricity to Calgarians and, more recently, throughout Alberta. We are involved in all areas of the electricity value-chain. Through our subsidiaries, we make, move, and market electricity. Our priority is doing so safely and reliably as one of the largest electricity providers in Alberta, serving more than 835,000 customer sites, both residential and commercial.



ENVEST CORP.

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Envest Corp. is an independent power producer delivering private utility energy to industrial, commercial, & government customers in North America. Our primary focus is the generation of combined heat and power (CHP) using natural or renewable fuels. We finance, build, own, and operate turnkey energy systems tailored to meet customers' specific objectives and requirements.



ENWAVE ENERGY CORPORATION

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Enwave Energy Corporation, a private corporation owned by Brookfield Asset Management and its institutional partners, is a fully integrated, sustainable energy services provider with assets in Toronto, Chicago, New Orleans, Houston, Las Vegas, Los Angeles, Seattle, Portland, Windsor, London, and Charlottetown. In each community, Enwave operates intelligent thermal energy systems that generate, store, distribute, and share energy in different forms across the district. Benefits to customers include reduced operating costs, lower emissions, and unmatched reliability.

fmc power

FMC POWER

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The mission of FMC Power is to provide distributed energy and/or emergency power solutions using experienced, knowledgeable employees, and suppliers. Learn more at fmcpower.com



FORTISBC ALTERNATIVE ENERGY SERVICES INC.

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fortisbc.com/AlternativeEnergyServices/Pages/default.aspx

FortisBC Alternative Energy Services Inc. (FAES) specializes in owning, operating, and maintaining centralized thermal energy assets for space heating and cooling, and domestic hot water heating, in addition to actively developing renewable energy generation projects in British Columbia.



FORTIS BC

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FortisBC's team of highly trained energy specialists are here to develop and deliver innovative energy solutions tailored to your specific needs. Whether you work in the private or public sector, we have the expertise needed for new construction and retrofit projects, individual developments and community scale energy systems.

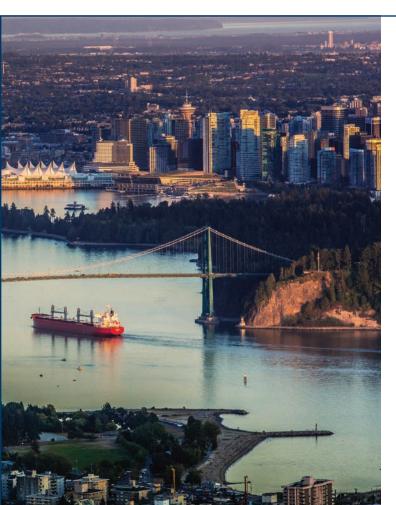


FVB ENERGY INC.

Richard Damecour

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FVB Energy Inc. (FVB) is a full scope engineering and management consulting company, specializing in District Energy (DE) and Combined Heat and Power (CHP). FVB brings 25 years of study, design, installation, and operational DE and CHP experience based on successful District Energy systems in Canada. Thanks to experiences from feasibility studies to design to the installation of operational systems, from natural gas to bioenergy to cogeneration, FVB is able to bring real-world experience to the planning and consulting process.







Strengthening B.C. communities where we live, work and grow

FortisBC serves 1.1 million customers in 135 communities across B.C. Together with government, local and Indigenous communities, we are building B.C.'s energy infrastructure to meet customers' energy demands—now and in the future.

That's energy at work.

Learn more at **fortisbc.com**.



GAL POWER SYSTEMS

Yossri Kiwan

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GAL Power Systems is your go-to CHP systems, critical power, generator maintenance & temperature control solutions provider. In the past 30 years, we have earned leadership status by consistently supplying high-performance CHP systems, power & rental generators, and temperature control equipment to customers all over the world. For quality NG & BG CHP systems, Canada trusts GAL Power. Customer centricity is the DNA of our business, and we will make every effort to prove it.



GE DISTRIBUTED POWER

Scott Peever

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gepower.com/distributedpower

GE's Distributed Power business is a leading provider of engines, power equipment, and services focused on power generation and gas compression at or near the point of use. Distributed Power offers a diverse product portfolio that includes highly efficient, fuel-flexible, industrial gas engines generating 200 kW to 10 MW of power for numerous industries globally. In addition, the business provides life cycle support for more than 48,000 gas engines worldwide.



GE's Distributed Power provides customers of all types the ability to generate reliable. sustainable power whenever and wherever it is needed.



















HCE ENERGY

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HCE Energy is a clean safe affordable energy solution provider delivering renewable energy systems as well as integrated community energy systems. Operating a powerful, clean burning, natural gas-fired reciprocating engine connected to a generator and three 4 MW gas-fired boilers at its primary facility, HCE leverages cogeneration heat and power technology to produce and supply thermal energy through a network of insulated underground pipes for heating, domestic hot water, electricity, and cooling services.



HERITAGE GAS LIMITED

Derek Estabrook

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Heritage Gas Limited is a Nova Scotia-based company that operates a regulated natural gas distribution franchise in Nova Scotia. Heritage Gas is an indirect wholly-owned subsidiary of AltaGas Utility Group Inc. which is a wholly-owned subsidiary of AltaGas Ltd.



Processing

GROUNDSWELL ENERGY

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Groundswell develops community solar projects and subscriber management programs that connect solar power with economic empowerment for marginalized communities. They believe that clean energy is a necessity, not a luxury; that we're all in this together; and that we can't afford to leave our neighbors in need behind. Their team also serves as technical advisors on multiple projects in New York.



HALIFAX WATER

Jeffrey Knapp

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halifax.ca/home-property/halifax-water

The Halifax Regional Water Commission (Halifax Water) is the municipal water, wastewater and stormwater utility serving the residents of the Halifax Regional Municipality (HRM), pursuant to the Public Utilities Act of Nova Scotia. An autonomous, selffinanced utility, Halifax Water is a fully metered water utility providing water, fire protection, wastewater and stormwater services as regulated by the Nova Scotia Utility and Review Board (NSUARB).



HYDRO OTTAWA

Julie Lupinacci

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Hydro Ottawa delivers electricity to more than 328,000 homes and businesses in Ottawa and Casselman. For 100 years, Hydro Ottawa has reliably supplied its customers with power, building and investing in the local electric grid. Proudly municipally owned, Hydro Ottawa contributes to the well-being of the community we serve. Its innovative services help customers manage their account and energy use.



INDEPENDENT ELECTRICITY **SYSTEM OPERATOR**

Customer Relations

customer.relations@ieso.ca (905) 403 6900

ieso.ca

The IESO manages the province's power system so that Ontarians receive power when and where they need it. It plans and prepares for future electricity needs and works with its partners to guide conservation efforts. Fostering a more sustainable and efficient electricity involves collaboration across Ontario's energy sector. The IESO's range of initiatives support the efforts of communities to develop innovative solutions that meet their region's evolving energy needs.

Empowering Consumers and Communities

The IESO is leading the way to enable opportunities for consumers and communities to take control of their energy use and shape the electricity system around them.

Learn more about Ontario's electricity system and how to engage in local electricity discussions by visiting ieso.ca or emailing CommunityEngagement@ieso.ca





The Independent Electricity System Operator plans and operates the electricity system to meet Ontario's energy needs in real-time and in the future.



MARKHAM DISTRICT ENERGY

Peter Ronson

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Markham District Energy is a thermal energy utility owned by the City of Markham. It is the only municipally owned district energy utility in Canada to have two systems operating within the same municipal border. Not only is Markham District Energy the fastest growing district energy utility in Canada, but it has become a leading example for new district energy system development.



MYHEAT - ENERGY MADE VISIBLE

Paul Gravel

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MyHEAT - Energy Made Visible™. MyHEAT helps municipalities, utilities, and governments save energy and reduce greenhouse gases by showing where energy is escaping from every building in a community. MyHEAT combines airborne thermal images of cities with relevant GIS data sets and our proprietary algorithms to produce HEAT Maps and HEAT Scores for each building. The resulting web and mobile platform is an innovative and compelling education and recruitment tool that will drive results for your community smart energy programs.



SHARC INTERNATIONAL SYSTEMS INC.

Dani Mueller

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SHARC International Systems Inc. is a world leader in thermal heat recovery. SHARC systems recycle thermal energy from wastewater, generating the most energy efficient and economical systems for heating, cooling & hot water for commercial, residential and industrial buildings. SHARC is publicly traded in Canada (CSE: SHRC), the United States (OTC: INTWD) and Germany (Frankfurt: IWIA).



MAGNOLIA GENERATION

James Kennedy

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Magnolia Generation is a Distributed Utility that designs, builds, owns, operates, and maintains Combined Heat & emergency Power (CHeP) Systems into multi-res buildings, hospitals, community centres, and other facilities for energy savings, and energy resiliency. For multi-res, it's a more economical way to provide "emergency/life safety back-up power" and "sustained occupation back-up power". For health care facilities, CHeP is a way to reduce energy costs and improve health care.















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NB POWER

Michael Losier

mlosier@nbpower.com (506) 458 3273 nbpower.com

NB Power is the largest electric utility in Atlantic Canada and is responsible for the generation, transmission and distribution of electricity throughout New Brunswick. Electricity is generated at 13 facilities and delivered via power lines, substations and terminals to nearly 400,000 direct and indirect customers. We also export electricity to New England, Quebec, Nova Scotia and Prince Edward Island through our subsidiary, New Brunswick Energy Marketing.

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SIEMENS CANADA

Christopher Norris

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Siemens is a global powerhouse focusing on electrification, automation and digitalization. Siemens is one of the world's largest producers of energy-efficient, resource-saving technologies, and a leading supplier of systems for power generation and transmission. Siemens provides cutting-edge products and services covering the entire energy value chain - a comprehensive portfolio of physical and digital technologies, products, strategies, and solutions. Siemens' Energy Business Advisory group provides a strategic, comprehensive, and integrated best practice perspective that includes strategic planning in the community energy space.

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SOLAR GLOBAL SOLUTIONS

Sean Fleming

info@solarglobalsolutions.com (902) 876 2834 solarglobalsolutions.com

Solar Global Solutions (SGS) specializes in Net-Zero Energy Systems, Micro-Grids and Off-Grid Lighting solutions consisting of solar photovoltaics (PV), combined heat and power (CHP) generators, battery storage systems, and controls. SGS delivers turnkey Engineering, Procurement, and Construction services for both grid-tied and off-grid projects. SGS is a privately held corporation founded in 1988 in Halifax, Nova Scotia, and has over 25 years of experience successfully developing projects for residential, commercial, government, and utility clients.



UNION GAS LIMITED

Jamie Rainbird

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Union Gas Limited is a major Canadian natural gas storage, transmission and distribution company based in Ontario with over 100 years of experience and service to customers. The distribution business serves about 1.5 million residential, commercial and industrial customers in more than 400 communities across Ontario. Union Gas, an Enbridge Company-one of Canada's Top 100 Employers for 2018-has assets of \$8.9 billion and approximately 2,300 employees.



Natural gas: integrated energy solutions for a stronger, cleaner Ontario



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VERIDIAN CONNECTIONS

Mark Turney mturney@veridian.on.ca (905) 427 9870 veridian.on.ca

Veridian Connections is one of the largest and best performing utilities in Ontario. Veridian distributes electricity, generates power, and provides energy services to more than 120,000 residential and business customers. Veridian's employees focus on providing reliable, efficient, and sustainable energy solutions, while maintaining the highest standards in health and safety within the workplace and in the communities they serve. Veridian has been named one of Canada's Greenest Employers for seven consecutive years.



2G ENERGY INC.

Patrick Carr

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2G Energy Inc., a subsidiary of 2G Energy AG in Germany, is a renowned CHP cogeneration specialist offering best-in-class cogeneration systems for natural and biogas in the 50 to 2,000 kW power range. We offer the most efficient and reliable energy solutions with our unique standardized modular design and focus on making the highest quality product with outstanding service. With over 5000 2G systems installed worldwide, our customers confirm the quality and performance of 2G products and build the basis for our international success.

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