

Clean Tech
4 Utilities

Canadian
Capabilities
Guide

Government
to Government
Acquisition



CANcleantech



CCC is Canada's government to government contracting agency.

To help foreign government buyers meet their complex and critical procurement needs, CCC offers a proven government to government service to purchase solutions from Canada.

De-risk the procurement process

We remove contract performance risk with our proven G2G contracting model, vendor due diligence, and government guarantee of contract performance.

Faster and better procurement

We satisfy priority needs with unsolicited proposals from qualified Canadian suppliers. We welcome value for money assessments on our proposals.

Attract sources of financing

We bring a proven track record of successfully delivered public sector projects and a network of commercial banks to attract project financing.

Building our shared bilateral relationship

Each G2G contract is an opportunity to deepen our trade relationship and builds meaningful ties between our governments.

www.ccc.ca

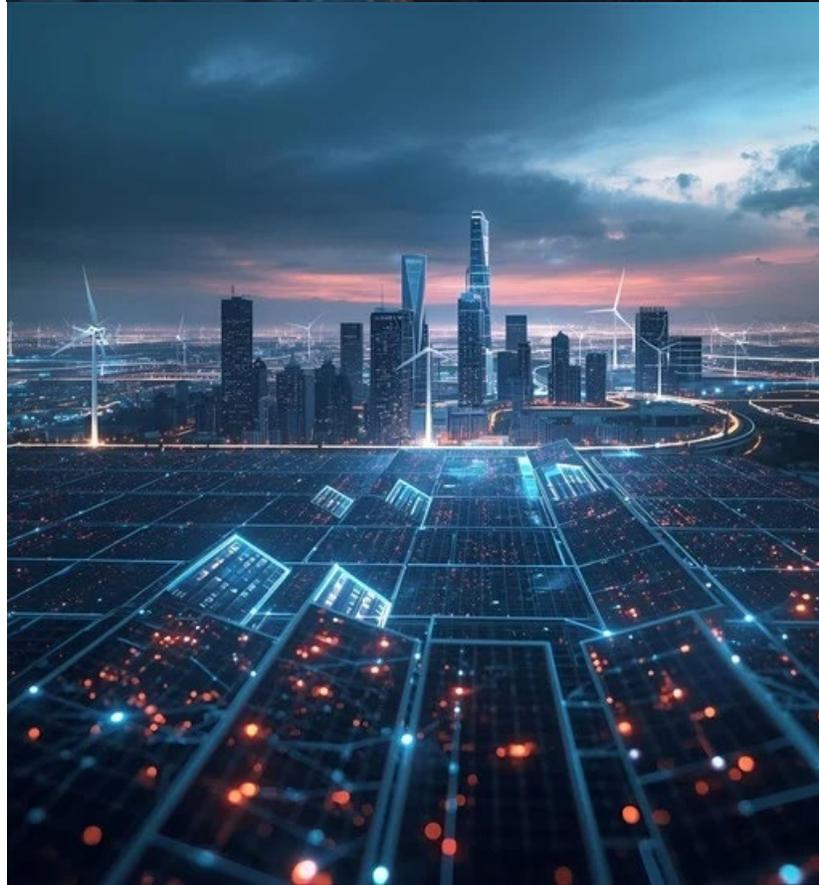


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AECOM

AECOM



AECOM delivers integrated clean technology solutions across multiple energy sectors. In **transmission and distribution**, it offers consulting, engineering, design, and maintenance for overhead, underground, and underwater systems, substations, SCADA, and reliability upgrades.

With **over 50 years in nuclear energy**, AECOM support all lifecycle phases, including SMRs, AMRs, fusion, waste management, and decommissioning. The company's **hydropower expertise spans over a century**, providing "water to wire" services for dams, reservoirs, power stations, and transmission systems, including landmark projects like the San Roque Dam in the Philippines.

AECOM's advance **waste-to-energy** systems by converting biowaste into usable energy and exploring hydrogen as a clean fuel. The company's hydrogen services cover planning, design, regulatory guidance, and infrastructure development.

In **energy storage**, AECOM support BESS, CAES, PHS, and thermal systems, offering end-to-end project execution. AECOM also leads in geothermal development, delivering global projects with a focus on energy efficiency and carbon management.

AECOM's **smart utility solutions** promote resilient urban environments through master planning and energy optimization. In CCUS, its guide clients from feasibility to implementation, including direct air capture.

Beyond energy, AECOM support climate resilience, ESG advisory, and net-zero strategies, using advanced remediation techniques for contaminated sites. AECOM's holistic approach ensures sustainable infrastructure across all project phases.

aecom.com/en-ca



Headquarters in Markham, Ontario, with offices across Canada

AECON



Aecon is a leading Canadian company with extensive expertise in delivering innovative energy solutions. In **SMART Utilities**, Aecon leverages advanced technologies to design and implement intelligent systems that optimize water, wastewater, and energy networks, improving efficiency and sustainability for municipalities and private clients.



The company's **Geothermal** capabilities focus on harnessing renewable energy from the earth to provide heating and cooling solutions, reducing carbon footprints and supporting green building initiatives.



Aecon also plays a pivotal role in **Energy Storage**, developing projects that integrate battery and other storage technologies to stabilize grids, enhance reliability, and enable greater adoption of renewable energy sources. These solutions are critical for meeting the growing demand for clean energy and ensuring resilience in power systems.



In **Hydroelectricity**, Aecon has decades of experience constructing and rehabilitating hydroelectric facilities across Canada. Their work includes dams, powerhouses, and related infrastructure, contributing to the generation of clean, renewable electricity that powers communities and industries.

By combining technical expertise with a commitment to sustainability, Aecon helps clients transition to low-carbon energy systems while delivering projects safely, on time, and on budget.

[aecon.com](https://www.aecon.com)



Headquarters in Toronto, Ontario, with offices across Canada

Artelia Canada



Artelia Canada provides integrated engineering services for renewable energy projects, including **hydroelectricity, solar, wind, geothermal, biomethanation, biofuel, and battery storage**. From strategic planning and feasibility studies to design, environmental and geotechnical analysis, and project management, Artelia supports clients through to energy grid connection.



Each solution is tailored to client needs, emphasizing performance, sustainability, and social acceptability. With a commitment to innovation and environmental stewardship, Artelia is a trusted partner in advancing clean energy infrastructure across Canada.

arteliagroup.ca



Headquarters in Montreal, Quebec, and with offices across Canada.

AtkinsRéalis



AtkinsRéalis delivers comprehensive technical, regulatory, and engineering services for **clean energy and low-carbon infrastructure**. It supports clients with feasibility studies, project delivery, and asset management across key sectors including **power grids, hydropower and dams, alternative energies and emerging technologies** such as **hydrogen and battery storage, and carbon capture, utilization, and storage (CCUS)**.



In **nuclear power**, AtkinsRéalis provide expertise in Small Modular Reactors (SMRs) and steward Canada's iconic CANDU® reactor technology. Its multidisciplinary approach ensures safe, efficient, and sustainable energy solutions tailored to evolving market and environmental needs. With deep experience in both conventional and advanced systems, AtkinsRéalis is a trusted partner in building resilient energy infrastructure for a **net-zero future**.

atkinsrealis.com



Headquarters in Montreal, Quebec, with offices across Canada

BBA



BBA offers comprehensive **engineering, environmental, and advisory services** across all stages of the asset lifecycle, from early studies and optimization to detailed engineering, commissioning, and field services.

With deep expertise in the Power, Energy, and Mining sectors, BBA supports clients in power systems studies, **hydropower, wind and solar generation, energy storage, off-grid hybrid systems, and transmission and distribution**. Its multidisciplinary teams deliver tailored solutions that integrate technical excellence with environmental responsibility and strategic insight.

Whether supporting clean energy transitions or optimizing complex industrial operations, BBA is a trusted partner in delivering resilient, efficient, and sustainable infrastructure.

bbaconsultants.com



Headquarters in Mont Saint-Hilaire, Quebec

BWXT



BWXT delivers **advanced nuclear solutions** for global security, clean energy, and healthcare. Their expertise spans naval nuclear propulsion, powering U.S. Navy submarines and carriers; nuclear fuel and components for commercial reactors; and small modular reactors (SMRs) for next-generation clean energy.

BWXT also provides **environmental restoration** at government nuclear sites and produces life-saving nuclear medicine. With cutting-edge research and manufacturing, BWXT drives innovation in nuclear technology for energy, defense, and space exploration worldwide.

bwxt.com



Headquarters in Cambridge, Ontario, and with offices across Canada.

Calian



Calian provides **comprehensive nuclear solutions that span the entire lifecycle of nuclear facilities**. Their services include radiation protection, environmental impact assessments, and regulatory compliance to ensure safety and sustainability. Calian also specializes in decommissioning and waste management, offering planning and execution support aligned with industry standards. Additionally, they deliver emergency preparedness programs, training, and exercises to enhance nuclear safety.

With over 25 years of experience, Calian helps maintain secure, efficient, and compliant nuclear operations in Canada and internationally.

calian.com



Headquarters in Ottawa, Ontario, and with offices across Canada.

CICan



COLLEGES &
INSTITUTES
CANADA



Colleges and Institutes Canada (CICan) **supports smart utilities through applied research that enhances energy efficiency and grid reliability**. Projects include smart grid technology initiatives, such as Mohawk College's Advanced Power Quality Lab, which studies the impact of electric vehicles and distributed renewable generation on power systems. These efforts develop adaptive solutions like harmonic filters and predictive models for utilities, enabling better infrastructure planning and improved power quality.

CICan fosters collaboration between colleges, industry, and utilities to drive sustainable energy innovation.

collegesinstitutes.ca



Headquarters in Ottawa, Ontario.

E2E Energy Solutions



E2E Energy Solutions specializes in **innovative geothermal technologies** that unlock previously inaccessible energy resources. Its patented Enhanced Geothermal Reservoir Recovery System (EGRRS) maximizes heat extraction efficiency by up to 50% compared to conventional methods, enabling cost-effective, zero-emission baseload power. E2E's approach targets **low-to-medium temperature reservoirs, overcoming traditional geographic limitations.**

e2energysolutions.com



Headquarters in Calgary, Alberta.

Enerkem



Enerkem **develops advanced waste-to-energy solutions** that transform non-recyclable waste into renewable fuels and chemicals. Using **proprietary thermochemical technology**, it reduces landfill dependency, lowers greenhouse gas emissions, and supports circular economy goals. Enerkem offers sustainable alternatives to fossil resources, driving innovation in clean energy and resource recovery.

enerkem.com



Headquarters in Montreal, Quebec, and with offices across Canada.

Enersev



EnerServ specializes in hydroelectric solutions by providing **maintenance, repair, and refurbishment services for turbines and generators** across Canada. Since 2011, the company has focused on renewable energy, offering **turnkey on-site services** that include diagnostics, testing, alignment, and commissioning. With advanced tools like laser alignment systems and ELCID testing units, EnerServ ensures optimal performance and reliability of hydroelectric assets.

enerserv.ca



Headquarters in Granby, Quebec, and with offices across Canada.

Everwind Fuels



EverWind Fuels is North America's leading developer of **green hydrogen**, producing carbon-free fuel through electrolysis powered by renewable energy sources like wind and solar. EverWind's solutions enable global decarbonization by replacing fossil fuels with sustainable hydrogen, supported by strategic partnerships and world-class infrastructure for safe production, storage, and distribution.

everwindfuels.com



Headquarters in Halifax, Nova Scotia, and with offices across Canada.

EVLO



EVLO Energy, a subsidiary of Hydro-Québec, specializes in fully **integrated battery energy storage systems (BESS) for utility-scale applications**. Leveraging decades of research and development, EVLO delivers safe, intelligent, and efficient solutions that enhance grid reliability, support renewable energy integration, and enable smarter, more sustainable energy infrastructure

evloenergy.com



Headquarters in Varennes, Quebec, and an office in Ottawa, Ontario.

EXP



EXP offers multidisciplinary consulting, engineering, architecture, design, and environmental services with extensive experience in **energy design, energy efficiency, energy transition, and decarbonization**. Through comprehensive energy management strategies, EXP helps clients enhance environmental, social, and economic performance across sectors. With a strong presence in the power and energy industries, EXP contributes to global energy optimization while supporting sustainable infrastructure development.

exp.com



Headquarters in Ottawa, Ontario, and with offices across Canada.

GHD



GHD delivers integrated consulting, engineering, architecture, design, and environmental services across the clean energy spectrum. In **Smart Utilities**, GHD modernizes public water, power, and gas networks using digital twins, smart sensors, and data platforms to optimize performance and reduce emissions. Their expertise spans **Hydropower and Dams**, offering site screening, dam design, and asset rehabilitation. GHD supports **Waste-to-Energy** projects through feasibility studies, technology selection, and EPC oversight for thermal and anaerobic systems. In **Energy Storage**, they design and deploy battery, pumped hydro, hydrogen, and thermal systems. GHD advances **Carbon Capture, Utilization & Storage (CCUS)** by guiding projects from concept to execution. Their **Geothermal** services include resource evaluation, drilling, and district heating design. In **Hydrogen**, GHD integrates storage and generation into broader energy systems. They also support **Nuclear Power** development, including SMRs, through full lifecycle services from policy to long-term asset management.

ghd.com



Headquarters in Waterloo, Ontario, and with offices across Canada.

Hatch

The Hatch logo features the word "HATCH" in a bold, red, sans-serif font. The letter "A" is stylized with a white triangle cutout.



Hatch advances decarbonization through integrated power and energy solutions tailored to policy-aligned goals. From strategic planning to execution, Hatch delivers **hydropower, solar, wind, energy storage, and transmission projects, including HVDC systems and smart grid distribution**. Their expertise spans engineering, procurement, and construction management (EPCM), permitting, and grid integration, supported by robust lifecycle asset management. Hatch also leads in emerging technologies such as **carbon capture, utilization, and storage (CCUS)**, helping clients transition to low-carbon operations.

hatch.com



Headquarters in Mississauga, Ontario, and with offices across Canada

iLF Consulting Engineers Canada



ILF Consultants Canada provides **integrated solutions for utilities and hydrogen generation, focusing on sustainable infrastructure and clean energy**. For utilities, ILF delivers engineering and consulting services that enhance grid reliability, water treatment, and energy integration. In hydrogen, ILF supports the full value chain—from electrolysis-based production to storage and transport—designing facilities for renewable power, water treatment, and pipeline systems. Their expertise ensures safe, efficient, and scalable hydrogen projects, helping Canada transition to a low-carbon economy through innovative, future-ready solutions.

ilf.com/en-ca



Headquarters in Calgary, Alberta.

Laurentis



Laurentis Energy Partners is advancing **hydrogen generation** through its expertise in **Small Modular Reactors (SMRs)** and nuclear-powered clean energy solutions. By leveraging Ontario's nuclear infrastructure, Laurentis supports projects that integrate SMRs with electrolysis to produce carbon-free hydrogen at scale. This approach enables reliable, zero-emission hydrogen for industrial, transportation, and energy applications. With end-to-end engineering and lifecycle services, Laurentis helps accelerate Canada's transition to a low-carbon economy while ensuring safety, efficiency, and sustainability in hydrogen production.

laurentisenergy.com



Headquarters in Oshawa, Ontario, and with offices across Canada.

Network Innovations



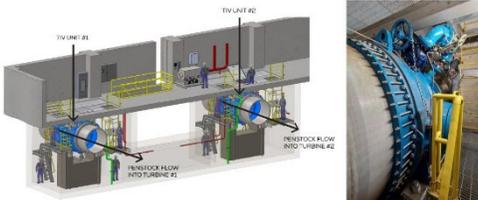
Network Innovations delivers advanced connectivity and monitoring solutions that empower **smart utilities** and support renewable energy initiatives like **geothermal**. Their smart utility offerings include **IoT-enabled monitoring systems**, real-time asset control, and satellite-backed communications for grid reliability and emergency preparedness. These solutions ensure operational continuity, regulatory compliance, and resilience against outages. For geothermal and remote energy projects, Network Innovations provides secure, always-available connectivity for data exchange and system management, enabling efficient, sustainable operations even in challenging environments.

networkinnovations.com



Headquarters in Calgary, Alberta.

Norda Stelo



Norda Stelo provides multi-disciplinary engineering, environmental, and advisory services across the **full lifecycle of energy projects**. From initial planning and stakeholder engagement to design, implementation, and ongoing asset management, Norda supports clients in delivering sustainable and resilient infrastructure.

Their expertise spans **solar, wind, hydro, bioenergy, nuclear, and emerging technologies such as carbon capture, utilization, and storage (CCUS)**. Norda Stelo's integrated approach ensures tailored solutions that meet technical, environmental, and social requirements. With a strong focus on innovation and long-term value, they help clients optimize performance and extend the life of critical energy assets.

norda.com



Headquarters in Quebec City, Quebec, and with offices across Canada

Northland Power



Northland Power delivers innovative smart utility solutions and advanced energy storage systems to enhance grid reliability and efficiency. It empowers utilities to optimize performance, reduce emissions, and meet evolving energy demands with resilient, future-ready infrastructure. Northland Power integrates renewable energy with cutting-edge storage technology, enabling flexible, sustainable power management.

northlandpower.com



Headquarters in Toronto, Ontario, and with offices across Canada.

Novus Earth



Novus Earth provides **innovative geothermal solutions through advanced closed-loop deep-well systems that deliver reliable, zero-emission energy.** Their technology harnesses Earth's thermal resources to generate electricity and heat for diverse applications, including district heating, industrial processes, and sustainable agriculture. Novus Earth's systems offer baseload energy with over 97% uptime, helping communities and businesses achieve clean, sustainable energy goals.

novusearth.ca



Headquarters in Calgary, Alberta.

Reivax North America



Reivax North America delivers advanced control and automation solutions for smart utilities, specializing in **excitation systems, speed governors, and turbine automation.** Their technology ensures precise voltage and reactive power control, improving grid stability, efficiency, and reliability for hydro and gas power plants. Reivax helps reduce maintenance costs and extend equipment life.

reivax.com



Headquarters in Montreal, Quebec.

Seguin Moris

SEGUIN MORRIS



Seguin Morris offers integrated solutions for smart utilities and hydroelectric projects through its **Design-Build-Innovation** approach. The company specializes in electrical infrastructure, including low-, medium-, and high-voltage systems, power generation, and automation for public utilities. Their expertise spans hydroelectric power installations, underground conduit networks, and advanced control systems, ensuring efficiency and reliability. With turnkey services from design to maintenance, Seguin Morris supports modernization and sustainability for utilities, combining cutting-edge engineering with 24/7 support across Canada and select international markets.

sequinmorris.com



Headquarters in Gatineau, Quebec, and with offices across Canada.

Stantec



Stantec delivers integrated engineering, architecture, environmental, and consulting services across the energy and water sectors.



Their expertise spans **hydroelectricity, geothermal, energy storage** (including **BESS** and **pumped storage**), **waste-to-energy, nuclear** (including SMRs), and **carbon capture, utilization, and storage (CCUS)**. Stantec also leads in **hydrogen generation**, supporting green hydrogen infrastructure and innovation.



Through smart, sustainable solutions, they help clients modernize infrastructure, reduce emissions, and transition to low-carbon energy systems. Their multidisciplinary teams ensure resilient, future-ready projects that align with environmental goals and community needs.

stantec.com



Headquarters in Edmonton, Alberta, and with offices across Canada

Wabtec



Wabtec delivers smart utility solutions through its **Digital Intelligence** platform, combining advanced software, analytics, and IoT technologies to optimize energy management, asset performance, and operational efficiency. Their offerings include **remote monitoring, predictive maintenance, and condition-based diagnostics**, reducing downtime and improving reliability. Wabtec's systems help utilities cut fuel consumption, lower emissions, and enhance safety across rail and industrial networks. By integrating automation and data-driven insights, Wabtec empowers utilities to achieve sustainability goals while maximizing productivity and cost-effectiveness.

wabteccorp.com



Headquarters in London, Ontario.

WSP



WSP delivers multidisciplinary engineering, consulting, and environmental services that support the global energy transition.

Their expertise spans **energy & water, geothermal, hydroelectricity, and waste to energy**, helping clients design resilient, low-carbon infrastructure. WSP leads in **energy storage** solutions, including **BESS** and **pumped storage**, and advances **Carbon Capture and Storage (CCUS)** technologies. They also support **hydrogen generation** projects and **nuclear** energy development, including SMRs. Through their Future Ready® approach, WSP integrates innovation and sustainability to help communities thrive and meet ambitious climate goals.

wsp.com



Headquarters in Montreal, Quebec, and with offices across Canada

Xcalibur



Xcalibur Smart Mapping provides cutting-edge solutions for geothermal and hydrogen energy through advanced airborne geophysical technologies. For geothermal, Xcalibur uses systems like **FALCON® Airborne Gravity Gradiometry** to map subsurface structures, reducing exploration risks and accelerating development of clean baseload power. In hydrogen, Xcalibur supports natural hydrogen discovery by identifying ultramafic formations and faults linked to serpentinization and radiolysis, enabling zero-carbon energy sourcing. Their innovations, including **H-MAS spectrometry**, enhance sustainable energy transitions by delivering precise, efficient resource mapping worldwide.

xcaliburmp.com



Headquarters in Mississauga, Ontario, and with offices across Canada.

Contact CCC

Connect with us directly or
through a Canadian
Consulate, Embassy, or
High Commission

Canadian Commercial Corporation

350 Albert Street, Suite 1100
Ottawa, Ontario, Canada K1A 0S6
T: 1-613-996-0034
Toll-free (Canada): 1-800-748-8191
E: info@ccc.ca

www.ccc.ca