

POWER GENERATION, POWER ENGINEERING & DATA CENTER NETWORKING EVENTS

TOP 2026 EVENTS



CANUSAEPC.COM

SUMMARY

This guide highlights 13 vetted conferences and networking events in 2026 that matter to professionals working in power generation, oil and gas, industrial energy, and data center infrastructure. Get real insight into how North America is responding to unprecedented power demand driven by data centers, electrification, and industrial growth.

Each event listed inside attracts operators, engineers, developers, EPCs, utilities, OEMs and investors.

Together with Xentric, we highlighted these events because of the value in their agendas - real projects, and the organizations actively building and operating North America's power infrastructure. We encourage you to scan this guide and focus on the events that best align with your role, market, and 2026 priorities.

HIGHLIGHTS

- 13 events across Canada & USA
- Event Summaries
- Direct Links to Agendas

NETWORKING TIP

- Learn how to make a QR code that you can save to your phone for easy contact sharing!

CONNECT

CAN: 403-723-4256
USA: 833-744-4887
info@canusaepc.com
LinkedIn.com/company/CANUSAEP



www.xentric.ca

Special thanks to Xentric for their support in curating these major events, drawing on their deep experience in utility-scale power transmission and distribution and power system engineering.



POWERGEN: Powering the data center boom

DATE: January 20-22, 2026

LOCATION: San Antonio, Texas

HELD AT: Henry B. Gonzalez Convention Center

WEB: www.powergen.com

AGENDA: www.powergen.com/technical-conference-program-sessions

A surge in data centers, industrial expansion, and electrification is reshaping power generation planning across North America. Utilities are under mounting pressure to maintain reliability and add new capacity. IPPs are accelerating project development to capture opportunity. EPCs and OEMs are finding innovative ways to build faster, smarter, and stronger amid supply chain and permitting headwinds.

At POWERGEN 2026, we're focusing on what it takes to deliver real megawatts and how collaboration across the generation ecosystem can meet the moment.



DTECH 2026

DATE: February 2 – 5, 2026

LOCATION: San Diego, California

HELD: San Diego Convention Center

WEB: www.distributech.com

AGENDA: www.distributech.com/2026-event-schedule

DTECH® is the leading annual transmission and distribution event that addresses technologies used to move electricity from the power plant through the transmission and distribution systems to the meter and inside the home.



Data Center World 2026

DATE: April 20 – 23, 2026

LOCATION: Washington, DC

HELD AT: Walter E. Washington Convention Center

WEB: <https://datacenterworld.com/>

AGENDA: <https://datacenterworld.com/conference-overview>

Data Center World delivers expert strategy and insight on the technologies and concepts you need to know to plan, manage, and optimize your data center. Data Center World 2026 educational conference programming is focused on the rapidly advancing data center technologies like edge computing, co-location, hyperscale, and predictive analytics – all within a rapidly changing global business climate – in order to give attendees a leg up on their competitors to become the new trailblazers of the data center.



Data Center Expo 2026

DATE: May 18 – 19, 2026

LOCATION: San Jose, California

HELD AT: San Jose McEnergy Convention Center

WEB: <https://datacentrecongress.com/>

AGENDA: <https://datacentrecongress.com/northamerica/agenda/green-investment-digital-innovation-and-physical-infrastructure/>

The Data Center Expo, a key part of TechEx North America, is the premier event tackling key challenges in data center innovation. It highlights AI's Impact, Energy Efficiency, Future-Proofing, Infrastructure & Operations, and Security & Resilience, showcasing advancements shaping the future of data centers.



The Power Connection Conference 2026

DATE: June 8 - 9, 2026

LOCATION: Midland, Texas

HELD AT: Horseshoe Arena

WEB: <https://the-power-connection.com/>

AGENDA: <https://the-power-connection.com/2025-conference/>

This event will bring together power-focused leaders from oil and gas, AI data centers, tech, cryptocurrency, renewables, battery storage, micro-grids, nuclear, electric power as a service, mobile power generation, CNG, capital markets, utilities, government, equipment, engineering, and construction. Attendees share a unified goal: building the resilient Permian power stack of tomorrow. This is the ideal venue to connect, learn, share, transact, and form partnerships with industry peers.



Big Data & Analytics Summit Canada 2026

DATE: June 9 – 10, 2026

LOCATION: Toronto, Ontario

HELD AT: Sheraton Toronto Airport Hotel & Conference Centre

WEB: <https://bigdatasummitcanada.com/>

AGENDA: <https://bigdatasummitcanada.com/agenda/day-1>

Here's what's in store:

- Accelerate your AI and data practices with sweeping regulation at a very critical time
- Consolidate your tools and technology stack while placing the right bets on cutting-edge technology
- Turn governance into a valued part of your innovation culture
- Align with the new federal AI Strategy
- Map the agentic and GenAI roadmaps to design your future AI teams and talent strategies



Global Energy Show Canada 2026

DATE: June 9 – 11, 2026

LOCATION: Calgary, Alberta

HELD AT: BMO Centre

WEB: www.globalenergyshow.com

AGENDA: www.globalenergyshow.com/conferences/executive-conference/

Canada's national energy exhibition and conference bringing technology, innovation and the transfer of knowledge under one roof. Hosting five halls of exhibition space, two conferences and an awards gala, Global Energy Show Canada fosters innovation, leadership and synergy between all energy verticals within three fully-packed days.



Power Generation Engineering & Construction Conference & Expo

DATE: June 17 – 18, 2026

LOCATION: Houston, Texas

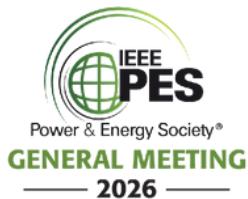
HELD AT: George R Brown Convention Center

WEB: www.epcshow.com/power-generation-engineering-construction

America is experiencing unprecedented power demand for the first time in decades, driven by data centers, electrification, and a rise in domestic manufacturing. The Power Generation Engineering & Construction Conference & Expo is where it happens for power generation projects. The Power Generation Engineering & Construction track is dedicated to accelerating gas-fired power projects to meet growing power demand from data centers, electrification and manufacturing.

Key topics:

- Scale Quickly with Quality to Match Booming Demand
- Develop a Robust EPC & Equipment Partnership Strategy
- Grid Modernization and Integration
- The Power Projects Behind Data Centers



IEEE Power & Energy Society (PES) General Meeting 2026

DATE: July 19–23, 2026

LOCATION: Montréal, Quebec

HELD: Palais des congrès de Montréal

WEB: <https://pes-gm.org/>

POWERING THE DIGITAL ERA

The 2026 IEEE Power & Energy Society (PES) General Meeting brings together practicing engineers, academics, researchers, and industry leaders from around the world to exchange ideas, present cutting-edge research, and discuss the latest developments in electrical power and energy systems. The event features a wide range of technical sessions, tutorials, paper presentations, panel discussions, and professional development opportunities, offering a comprehensive forum for networking, knowledge sharing, and advancing innovation in the power sector.

Turbine Engine Technology Symposium 2026

DATE: September 14 - 17, 2026

LOCATION: Dayton, Ohio

HELD AT: Dayton Convention Center

WEB: <https://tets.us/>

AGENDA: <https://tets.us/pages/agenda.html>

The TETS Symposium is a biennial forum where the United States' turbine engine community gathers to review and discuss the latest turbine engine technology advances. The Symposium draws an audience of approximately 1,000 engineers, scientists, managers, and operational personnel from throughout the turbine engine community; including the Army, Navy, Air Force, NASA, DARPA, DOE, FAA, engine and aircraft manufacturers, material and component suppliers, and academia. Beginning in 2018, the TETS Symposium expanded its scope to include an increased emphasis on review and discussion of critical complementary technologies in the areas of aircraft power generation and thermal management. Over three days of technical presentations, supported by relevant hardware displays, will underscore the United States' commitment to advance the state of the art in gas turbine engine technology.



CIGRE Canada 2026 – International Power Systems Conference & Exhibition

DATE: September 21 - 24, 2026

LOCATION: Calgary, Alberta

HELD: TELUS Convention Centre

WEB: <https://cigre.ca/2026/en>

A major power systems industry event focused on transmission, grid modernization, smart technologies, and high-voltage power equipment. It brings together hundreds of international power professionals including engineers, utility operators, manufacturers, regulators, consultants, and researchers. With a broad program covering advanced storage, smart grid integration, protection and automation, and system performance, the conference gives opportunities for networking, collaboration, and technical exchange for companies working with utilities and large-scale energy systems.



Energy Disruptors: UNITE 2026

DATE: September 28 – 29, 2026

LOCATION: Calgary, Alberta

HELD AT: BMO Centre

WEB: www.energydisruptors.com

ACCELERATING ENERGY TRANSITION THROUGH UNLIKELY COLLABORATIONS

We believe we can be a catalyst for uniting unlike minds, getting uncomfortable, and challenging the status quo. Through this, we can change the future of not only the energy industry, but the world. We are in the business of inspiration that leads to action.



DATE: October 4-8, 2026
LOCATION: Vancouver, BC
HELD AT: Vancouver Convention Centre
WEB: www.ieee-ecce.org/2026

A leading international conference for power electronics, energy conversion, electric machines, and applied electrical design. Over five days, the event features a mix of industry-driven and research-oriented technical sessions, tutorials, panels, and an extensive exposition, drawing engineers, researchers, and industry experts to share innovations in converters, motor drives, power systems, and emerging energy technologies.

Pro Networking Tip

Create a personalized QR code to instantly share your contact information:

1. Open a QR Code Creator like QR-Code Monkey and select 'VCard'
<https://www.qrcode-monkey.com/#vcard>
2. Enter the personal and work details you want to include
3. Click "Create QR Code"
4. Click "Download PNG"
5. Save the QR Code you just produced to your mobile phone "Photos"

OPTION A

Save this photo as a 'favorite' for easy access

OPTION B

- Open the QR Code in your photos and take a screenshot
- Save the screenshot as your phone's lock screen



Connect with the team at CANUSA EPC if you plan to attend any events, or would like YOUR power generation-related event to be featured in this e-book.