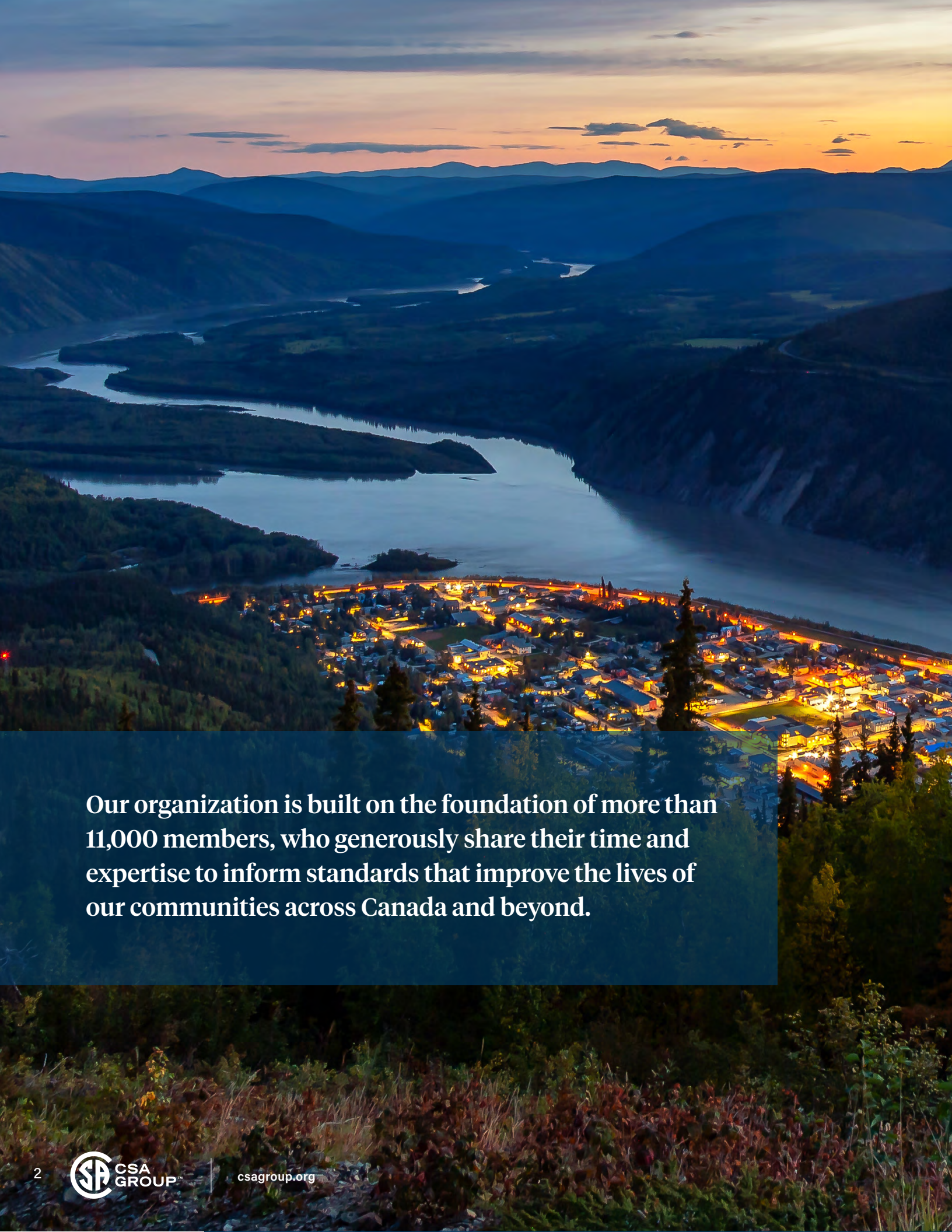




Annual Report 2025-2026

Improving Quality of Life for Canadians





Our organization is built on the foundation of more than 11,000 members, who generously share their time and expertise to inform standards that improve the lives of our communities across Canada and beyond.



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For our standards organization, this was a year of many firsts, all focused on improving the lives of Canadians.



David Weinstein
President & CEO

Message from the CEO & Chair

2025 proved to be a seminal year for CSA Group, one where our organization showed incredible resiliency. As a global organization we performed well, grew our Testing, Inspection and Certification (TIC) business, progressed our strategic initiatives in Standards and advanced our mission.

For our standards organization, this was a year of many firsts, all focused on improving the lives of Canadians. We announced the development of Canada's first national transit and passenger rail code to help safeguard billions in infrastructure investment and support project delivery. A groundbreaking draft standard was released to support the nation's dementia strategy, another first for Canada, focusing on improving the quality of life for individuals living with dementia and their caregivers.

This year also featured the launch of the first in a series of six binational standards to provide support to large-scale, interoperable, reusable food packaging systems, contributing to broader efforts toward circularity. And, for the first time in the 100+ year history of our Canadian highway bridge design code, we embedded guidance on addressing future climate change risks, establishing consistent national direction to help ensure bridges are not only safer, but designed for durability and sustainability, benefitting our communities socially, economically, and environmentally.



Jane Peverett
Chair, Association Board of Directors



Our organization is built on the foundation of our more than 11,000 members, who generously share their time and expertise to inform standards that improve the lives of our communities across Canada and beyond. To support, advocate, and amplify our members' important work, we promote it through various media, engage governments and the public policy community, and continue to invest in research and standards education programs. Now in its second year, our Policy Pathways Conference series presented two compelling events. *Aging Canada 2040* brought together cross-sector participants who explored the future of aging and its implications on policy decision-making across Canada. *Building a Thriving Canadian Economy*, our second conference, convened leaders, economists and policymakers to explore timely policy solutions to strengthen Canada's economic resilience.

Our Testing, Inspection and Certification (TIC) business demonstrated incredible resilience throughout the fiscal year and continued to grow. Our focus on delivering industry-leading customer experience and deep expertise, along with our expanding global capabilities resonates well with our global manufacturing customers who rewarded us with more of their business.

Registered Members of the Association can view our audited, consolidated financial results through the online CSA Communities platform. Please contact member@csagroup.org for your unique login information.

To our employees and our dedicated members, on behalf of the Board of Directors and the entire CSA Group leadership team, we hope you share our pride in what we collectively accomplished this year to improve the lives of Canadians. As we look forward to the coming year, we are excited about the future and how we can further our mission together.

David Weinstein
President & CEO

Jane Peverett
Chair



CSA Group Highlights from 2025-2026

Employee Engagement

CSA Group recognizes that an engaged employee is an energized employee - more connected to the organization intellectually, emotionally, and behaviourally. Engaged employees are more productive and committed, contributing to a positive work environment. In 2025, CSA Group employees participated in a comprehensive survey, with a **participation rate of 90% (2% above the year before) and an engagement score in the top quartile**, surpassing the benchmark of other peer companies. The survey was followed by global focus group sessions.

This approach enabled us to proactively identify five key areas for improvement: growth and development; TIC systems, processes and procedures; senior leadership; communications, mental health, and total rewards. These themes were incorporated into a Global Action Plan of **55 actions** which were successfully completed throughout the year through defined owners, deliverables, and timelines.

Driven by inputs from our employees and our shared commitment to continuous improvement, it served as our roadmap to enhance various aspects of our organization.

Creating a Welcoming Environment

CSA Group is committed to creating safe and supportive spaces for employees to foster a sense of belonging. We now have four active Employee Resource Groups (ERGs) – Pride, the Women's Empowerment Network, a Parents and Caregivers Network, and The Next Chapter Network. Launched in 2026, the Next Chapter is a community for employees in the last stage of their career to share experiences and insights, access retirement planning resources and participate in teaching and mentoring activities.

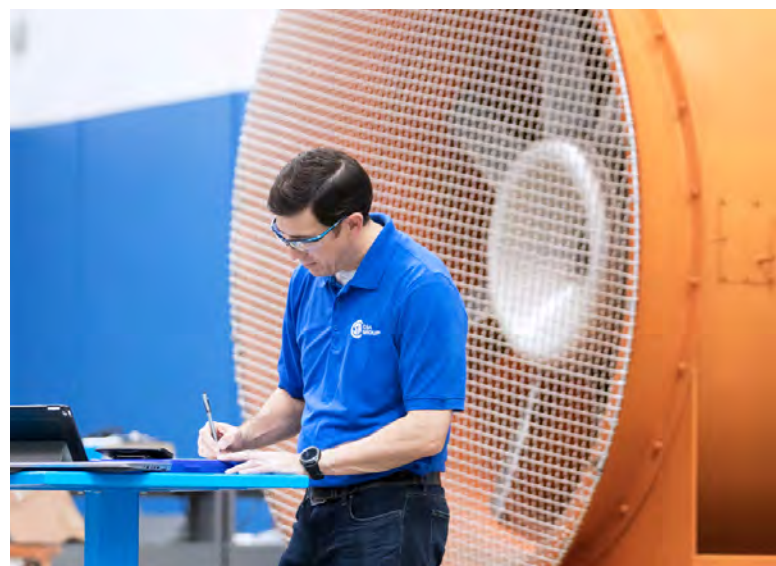
Also in 2025, CSA Group's Women's Empowerment Network (WEN) hosted an inaugural global Women's Development Summit. The summit featured an engaging lineup of panels, presentations, and roundtable discussions led by CSA Group leaders and external guest speakers. A standout session featured women from CSA's Board of Directors, who shared their professional journeys and experiences. The summit was a huge success, with many attendees expressing that they felt inspired, learned valuable skills and perspectives, and appreciated the chance to connect with colleagues across the organization.



Health, Safety, Security and Environment

Health and safety is at the core of everything CSA Group does. To maintain this strength as a key feature of our organizational culture requires a collaborative and ongoing effort from leaders, managers, and employees. Our CSA Group approach to safety is solidified by our global registration to the ISO 45001 Standard for Occupational Health and Safety, which is integrated with the ISO 14001 Standard for Environmental Management Systems. These two standards form the foundation of the organization's Health, Safety, Security, and Environment (HSSE) management system. This registration covers the global scope of activities including all employees and takes an all-inclusive approach to managing health, safety, security and the environment across the organization.

CSA Group considers psychological safety to be as important as physical safety. In addition to numerous formal programs to support employee mental well-being, our volunteer Mental Health Ambassador Program (MAP) continues to foster a supportive work environment. Our trained global cohort of 75 Mental Health Ambassadors are dedicated to helping their colleagues access key resources when needed.



CSA Group is committed to creating safe and supportive spaces for employees to foster a sense of belonging



Helping Build a Stronger Canada

Standards Research

The CSA Research Centre informs and supports the advancement of existing and future CSA Group standards work through its Core program and its new Explore program. The CSA Research Centre supports activities that:

- advance knowledge in new and emerging areas that have the potential to impact safety, health, the environment, and the economy, now and into the future.
- support standards development by providing evidence-informed insights to strengthen and expedite the work of our technical committees.
- provide guidance to industry and policymakers on complex, interdisciplinary issues to facilitate the development and adoption of new technologies.
- demonstrate our continued commitment to social good through research that benefits communities across Canada and beyond.

In a world that increasingly demands rapid adaptation and forward-thinking solutions, the CSA Explore Research Program aims to anticipate and address complex societal challenges. Research project findings will help promote standards readiness, identify emerging areas of importance, and inform a broad range of parties from government to industry, and beyond. The priority topics identified for the Explore program this year are:

Protecting Canada's Freshwater – This research initiative seeks to understand how to better protect and manage Canada's freshwater sources and the people and environments that depend on them.

Securing Canada's Communications Future – This research initiative seeks to understand how to strengthen the networks that keep Canadians connected and help ensure they remain dependable in the face of emerging risks.

More details on our CSA Research Centre and reports can be found at <https://www.csagroup.org/standards/csa-research-centre/>.



Examples of Core research reports published this year include:

- *Canada's Railway Electrification Ecosystem: A Standardization Roadmap*
- *Advanced Manufacturing for Small Modular Reactor Applications*
- *Cybersecurity in the Canadian Food Value Chain*
- *Strengthening Canada's Distribution Grid for the EV Transition*
- *Care-informed Implementation of Active Assisted Living Technologies for Older Adults*



Standards Development

Thanks to the commitment of our members, again this year, we completed updates to hundreds of standards, while adding many new standards and technical specifications to CSA Group's portfolio. Some of the most notable new standards introduced address the topics of health and wellness, climate resiliency, plastics recycling, technology and transportation.



CSA B56:25, Power engineering

Across Canada, provinces and territories regulate boilers and refrigeration plants and typically require them to be supervised by licensed power engineers. Historically, however, jurisdictions have used different methods to rate facilities and assign staffing requirements, leading to inconsistent supervision standards and limits on workforce mobility.



CSA Z2202:25, Technology in home and community care settings

Canada's first comprehensive standard dedicated to the responsible use and management of technology in home and community care settings. It recognizes a fundamental shift in healthcare delivery: care is increasingly delivered outside traditional facilities, supported by digital tools that must be safe, secure, interoperable, and trusted.



CSA W212:25, Temporary flood protection barrier performance testing for Canadian climates

This is a landmark standard that brings clarity, confidence, and consistency to one of Canada's most urgent climate adaptation challenges: protecting communities and critical infrastructure from flooding. Designed specifically for Canada's diverse and demanding climatic conditions, CSA W212 establishes clear, standardized performance criteria and testing methods for temporary flood protection barriers.

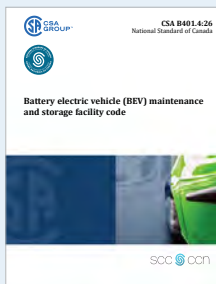


We are committed to upholding our track record of excellence in keeping our cycle time and on-time delivery metrics on par with end user expectations.



CSA TS-006:25, Water distribution and wastewater collection systems in northern regions

This is Canada's first comprehensive technical specification dedicated to addressing the unique water and wastewater infrastructure challenges faced by northern and remote communities. Developed with funding and support from the Standards Council of Canada (SCC), the specification provides practical, northern-specific guidance to help communities plan, design, build, operate, and maintain resilient water distribution and wastewater collection systems.



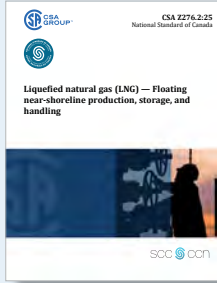
CSA B401.4:26, Battery electric vehicle (BEV) maintenance and storage facility code

This new code establishes a national safety framework for facilities that maintain, repair, charge, and store battery electric and hybrid vehicles. As fleet operators rapidly transition away from gasoline and diesel vehicles, CSA B401.4 provides the baseline requirements needed to manage emerging risks and support safe, efficient electrification at scale.



CSA TS-128:25, Safety and security for public transit systems – Definitions, metrics, and data collection methods and uses

This technical specification provides an evidence-based foundation for how public transit systems understand, measure, and improve safety and security. At its core, this document brings clarity to a space that is often fragmented. It defines what "safety and security" means in a public transit context and establishes a consistent set of metrics that transit agencies can use to track the well-being and physical safety of customers and employees as they interact within the transit environment.



CSA Z276.2:25, *Liquefied natural gas (LNG) — Floating near-shoreline production, storage, and handling*

This is Canada's first dedicated national standard for floating near-shore LNG facilities, providing a clear, risk-based foundation for a new generation of LNG infrastructure.

Over the past year, CSA Group continued to invest in and convene cross-sector committee weeks to tackle complex, system-level challenges that cut across traditional sector boundaries.

Building on the success of the 'Enhancing a Safe and Adaptive Workforce' committee week, which brought together committees from across sectors to address worker safety, well-being, skills, and the impacts of emerging technologies, CSA Group has continued this model through the 'Enhancing Energy Reliability and Resilience' committee week. Together, these themed committee weeks demonstrate how standards, research, and capacity building can be aligned across sectors to address shared risks, close gaps, and enable coordinated, forward-looking solutions. They reinforce CSA Group's role as a trusted convener and integrator, advancing collaboration on national priorities that no single sector can address alone.

Expanding Portfolios

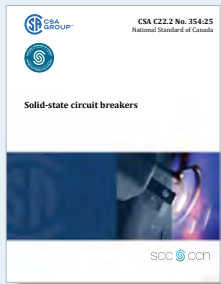
To fulfill its mission and make a greater impact on Canadians, CSA Group is dedicated to growing its support in essential economic sectors. This year, we continued with the expansion of portfolios in the transit and agri-food sectors, which involved the publication of new research and policy reports, as well as standards solutions. In addition, CSA Group is now building a new program in the education services sector. The potential for positive impact in these three key economic sectors is significant.



Transit

Over the past year, CSA Group significantly advanced its leadership in transit and passenger rail, moving from strategy to tangible standards, research, and sector coordination at a moment of unprecedented infrastructure investment in Canada.

A major milestone was the formal launch of work toward Canada's first National Code for Transit and Passenger Railway Systems, responding to long-standing challenges around cost overruns, project delays, fragmented standards use, and declining public confidence. Through extensive engagement, research, and a dedicated Rail Code Strategy Working Group, we have formed the groundwork for a cohesive, systems-based framework covering urban transit, inter-city passenger rail, and high-speed rail applications.



CSA C22.2 No. 354:25, *Solid-state circuit breakers*

Canada's first dedicated national standard addressing the safety, construction, and performance of solid-state and solid-state hybrid circuit breakers. Issued under Part II of the Canadian Electrical Code, the standard provides a critical regulatory bridge between emerging semiconductor-based switching technologies and Canada's established electrical safety framework.



Agri-food

CSA Group significantly advanced Agriculture and Agri-food as a core standards sector, transitioning it from early strategic development into an active standards program with growing national relevance. This year, we began tackling an ambitious workplan involving standards development and research projects that focus on high-impact areas such as the bioeconomy, agricultural data, soil health, and data governance.

A major milestone this past year involved the advancement of agri-food data standardization, including work on data sourcing protocols and technical specifications that strengthen Canada's agricultural data infrastructure. Through close collaboration with government and industry, CSA Group ensured this work is policy-informed, practical, and aligned with national priorities. Collectively, these efforts underscore CSA Group's important role in helping to establish a durable standards foundation to support food system resilience, sustainability, and competitiveness in a rapidly evolving agri-food sector.



Education Services

After extensive research and external consultation, CSA Group developed the framework for a new program in the Education Services sector. Our process involved identifying and prioritizing standardization needs. Further, we recruited and onboarded a new Postsecondary Education and Workforce Development Advisory Group.

We published the first new standard in this sector **CSA TS-003, *Canadian framework for microcredential meta-data***. The work was enhanced by recent public policy reports relating to this sector, namely:

- **Activating the Full Potential of Micro-credentials in Canada**
- **Unlocking Potential: Strengthening Employment Services for Skilled Newcomers**

CSA Group continues to validate the needs for standardization in three additional Canadian economic sectors, all of which are being conducted through consultation with subject matter experts and interested parties.

Standards Education



CSA Group's Standards Education program develops and delivers high quality educational products, services, and tools to enhance the application and use of standards. This has also included the launch of new competency-based learning programs that provide targeted, skill-specific learning with flexible learning pathways and verifiable credentials to support upskilling and reskilling of the workforce. Learner accomplishments are demonstrated through a new digital badging system that provides those who complete courses and programs with secure, sharable, and verifiable digital credentials.

Among the 54 assets developed this year, the following support knowledge and skills development in the growing areas of artificial intelligence, ground source heat pumps and hydrogen safety:

- **Three AI Management System courses** – CSA/ISO 42001 courses were launched to help organizations responsibly govern AI. The Introduction, Leadership Overview and Requirements courses support different audiences through instructor-led training to support risk management when developing, delivering or using AI systems and to understand the Plan-Do-Check-Act cycle for AI management.
- The **Ground Source Heat Pump (GSHP) Commercial Design program** covers both the fundamentals and advanced principles of GSHP commercial system design, helping learners create systems that perform efficiently and cost-effectively. The program consists of 10 self-paced online courses, an instructor-led design workshop, and a personnel certification exam.
- The **Hydrogen Foundations program** helps promote safety, efficiency, and compliance, preparing the workforce for hydrogen adoption across Canada. The program includes four courses focused on safe handling of hydrogen; hydrogen installation codes, acts, and regulations; hydrogen piping and tubing systems; and Canadian Hydrogen Installation Code essentials.



CSA Group's Standards Education program develops and delivers high quality educational products, services, and tools to enhance the application and use of standards.



Our suite of complementary educational tools was also expanded through the introduction of new resources in the Environment and Health and Safety sectors, including:

Design and construction of bioretention systems – Two tools were developed to support the use of **W200:18 (R2023)**, *Design of bioretention systems*. An FAQ and a flowchart provide answers to common questions and support major steps, respectively, when designing bioretention systems using W200:18 (R2023).

Flood resilient design of new residential communities – Four tools were designed to help users of **W204:19 (R2024)**, *Flood resilient design of new residential communities* apply the standard. The suite of tools include a design checklist for wastewater pumping stations, a flood resilience operation and maintenance planning checklist, a sanitary sewer design checklist, and short, self-paced online learning course focused on dual drainage and flood resilience in urban design.

Safety standard for lift trucks – Four tools were developed to help users of **CSA B335:25**, *Safety standard for lift trucks* conduct pre-use inspections. Four videos review key steps of a safe and effective pre-shift inspection for the walkie truck, sit-down counterbalance truck, reach truck, and order-picker truck.



Standards Advocacy

For over 100 years, CSA Group has been working to make Canada safer, healthier, and more sustainable. Throughout this time, we have advanced our support of standards development to include advocacy. Through our advocacy activities, we seek to raise awareness, engage standards beneficiaries, government and industry decision-makers, and to demonstrate the impact of our standards work. We do this through direct marketing communications, public policy, and government relations.

Public Policy

With a mandate of holding the future to a higher standard, CSA Group has an interest in the social, economic, and environmental challenges that policymakers face when addressing the evolving needs of Canadians. The CSA Public Policy Centre provides support for policymakers tackling complex challenges. It serves as a platform for a diversity of perspectives to support policymakers at all levels of government in making the best decisions for our collective future.

Engaging with various thought-leaders and experts across the country, the Centre helps raise critical questions, provide thoughtful analysis, and produce new ideas and policy pathways to address Canada's most pressing policy challenges. Building on CSA Group's history of consensus building and non-partisanship, we facilitate conversations, raise awareness of emerging issues, and promote collaborative, evidence-based solutions.

The Centre demonstrated the connection between standards and effective public policy through the publication of public policy papers including:



Labour Market Concentration in Canada: Key Insights and Recommendations for Action



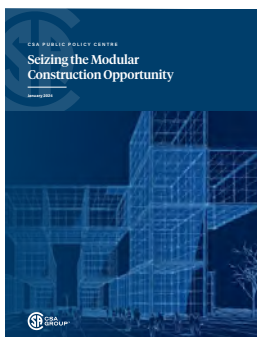
Navigating the Mental Health Crisis in Canada: The Critical Role of Employers



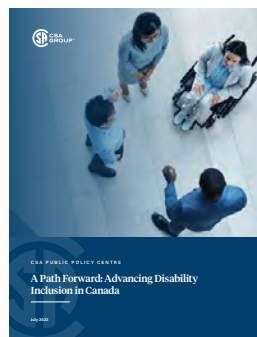
Aging Canada 2040: Policy Implications of Demographic Change



More Housing, Less Carbon: Policy Principles to Reduce Embodied Carbon in Canada's Housing Sector



Seizing the Modular Construction Opportunity



A Path Forward: Advancing Disability Inclusion in Canada



Rounding the Corner: Towards a Circular Economy in Canada



The CSA Public Policy Centre provides support for policymakers tackling complex challenges.



The CSA Public Policy Centre's policy perspectives continue to gain recognition in the media and with key partners in government, industry and civil society. We held two major conferences - exploring the impacts of an aging population on Canadian society in May and how to build a thriving Canadian economy in November.

To further the conversation in key policy areas, the CSA Public Policy Centre will be expanding its focus on driving impact on specific policy issues with a nexus to standards development. We will be selecting topics within the health and social policy realms that allow us to work with interested parties, including governments, to garner measurable and tangible change on policy topics that improve the health and well-being of Canadians.

We are excited to work with all six of our Policy Fellows and appreciate their commitment to the work of the CSA Public Policy Centre. To learn more about the Centre's Fellows Program, visit [CSA Public Policy Fellows – CSA Group](#).

CSA Public Policy Centre appointed two more Policy Fellows this year to help provide support and guidance on the Policy Centre's research agenda and activities:



Dr. Olga Morawczynski

- an expert on workplace mental health



Glen Hodgson

- an expert on macroeconomics and trade policy economics

CSA Policy Pathways Events



We held a range of events this year – including:

- **CSA Policy Pathways Conference: Aging Canada 2040**
- **Policy Talks: CSA AGM: Impacts of AI on Canadian Society**
- **Policy Webinar: Supporting Personal Support Workers (PSWs)**
- **Policy Presentation at CSA Committee Week: Workplace Mental Health: Costs, Drivers, and Solutions**
- **Policy Pathways Conference: Economic Resilience**
- **Policy Webinar: Securing an Accessible Future**





Government Relations



CSA Group's Government Relations team works with all levels of government and with industry to share our expertise, help break down internal trade barriers and demonstrate our commitment to helping make Canada stronger. One of our key mandates is to drive the incorporation of CSA standards by reference into legislation.

In 2025, the federal government passed the *Free Trade and Labour Mobility in Canada Act* to reduce internal trade barriers and remove federal exemptions under the Canadian Free Trade Agreement. Also in 2025, most provinces and territories tabled legislation aimed at eliminating trade barriers with other jurisdictions, including the *Protect Ontario through Free Trade within Canada Act*, and the *Nova Scotia Free Trade and Mobility within Canada Act*.

In conjunction, many bilateral Memoranda of Understanding (MOUs) were signed between provinces to begin implementing regulations to facilitate easier internal trade of goods and services, and to support greater labour mobility of professionals and skilled trades.

In November, the federal, provincial, and territorial governments signed the Canadian Mutual Recognition Agreement (CMRA), an effort led by the Committee on Internal Trade (CIT), designed to promote easier internal trade of goods, by recognizing that products approved for sale in one jurisdiction can be sold in other jurisdictions without further regulatory approvals, certification, etc.



Our Government Relations team works with all levels of government to share our expertise, help break down internal trade barriers and demonstrate our commitment to helping make Canada stronger.

First Ministers have also directed the CIT to consider including the following under the CMRA, beginning in 2026: Services, Use of Goods, Prefabricated Housing, Construction, Trade Infrastructure, and Building Codes.

CSA Group's Government Relations team has been working to support the internal trade goals of governments through a wide range of initiatives, including:



Supporting Ontario in its efforts to regulate CSA Group standards pertaining to a range of OHS topics (e.g. PPE, Fall Protection) for adoption across the country.



Supporting Alberta as it determines the standards required for product recognition in the province under the CMRA.



Providing a briefing paper to the government of Nova Scotia, developed by CSA Group's Government Relations and the CSA Public Policy Centre, regarding international experience with direct-to-consumer alcohol sales.



Nationally supporting the leveraging of CSA Group standards to achieve alignment between jurisdictions under the auspices of the Regulatory Reconciliation and Cooperation Table (RCT), such as the recent RCT Reconciliation Agreement which calls for jurisdictions to reference CSA standards on natural gas, propane, and fuel-burning appliances related to national gasfitter certification.

Our Government Relations team raises awareness of the impact of CSA standards in a number of other ways, for example:

- Working directly with key government Ministries to help achieve their public policy objectives. For example, ongoing engagement of Ontario and Nova Scotia governments to incorporate CSA A277, *Procedure for certification of prefabricated buildings, modules and panels* into their respective Building Codes, helping facilitate more home construction and avoid undue regulatory burden.
- Working with government to promote greater public safety policy objectives. The Ontario Ministry of Labour incorporated CSA Z94.1.4, *Performance of filtering respirators* into its OHS regulations this year, thereby further recognizing this standard as equivalent to the requirements of the U.S. National Institute for Occupational Safety and Health. This will help ensure that citizens have access to appropriately certified respirators in times of health crisis.



Access Codes enable standards users and beneficiaries to securely access CSA Group's digital products within the CSA OnDemand platform.

Digital Future of Standards



Digital solutions continue to play an important role in advancing CSA Group's mission, by improving access to standards and digital products, enabling more flexible distribution models, and enhancing the experience of standards users, members, and beneficiaries.

As CSA Group's digital offerings expand, expectations are growing for secure, scalable, and well-governed access to content—particularly across new distribution channels. Traditional approaches to access information can limit flexibility, create risk through unsecured content sharing, and constrain the ability to develop new bundled or value-added offerings.

To address these challenges, CSA Group is investing in digital capabilities that strengthen access, support new market opportunities, and provide greater visibility into standards usage and distribution. These efforts are designed to balance flexibility for users with the governance and security required to protect the integrity of the content in our standards portfolio.

Over the past year, the Access Codes Project has been a key focus of this work. Access Codes enable standards users and beneficiaries to securely access CSA Group's digital products within the CSA OnDemand platform. This approach supports enhanced user access while providing CSA Group with improved oversight and insight into how digital assets are accessed and used.

Marketing Communications

CSA Group continues to advance awareness of our standards work through targeted campaigns, outreach, and activities across a range of media channels, reaching decision makers across government, industry, and academia. A wide range of thought leadership and supporting assets were developed to support these efforts – including articles, guides, infographics, social media content, and case studies.

We saw strong year-over-year growth across owned, earned, and paid channels. Highlights include a significant increase in website traffic, with page views growing by over +1,100% year over year, and targeted promotional efforts resulting in an increase of over 7,400% in users reached.

CSA Group also maintained strong visibility through 36 conferences, events, and speaking engagements, supporting ongoing dialogue with interested parties. Through proactive media relations campaigns, we secured over 16 million media impressions to raise awareness of standards, research and public policy reports, with consistently high-quality, on-message media coverage.

Our media relations outreach resulted in positive press coverage in both mainstream media (such as *The Globe and Mail*, *Toronto Star*, and *The Canadian Press*), and industry publications (such as *Canadian Consulting Engineer*, *Building Canada*, *OHS Canada*, and *ReNew Canada*). Through this editorial coverage, CSA Group strengthened its advocacy efforts and broadened public understanding of the societal value delivered through our standards.



Page views growing by over
+1,100%
year over year.

Targeted promotional
efforts resulting in an
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+7,400%
in users reached.





Sustainability and our community

CSA Group's sustainability program aligns to the Global Reporting Initiative (GRI), allowing us to track the impact of our activities. In addition, our standards efforts are aligned with the UN Sustainable Development Goals (SDGs), supporting principles of sustainable progress. Our sustainability program leverages a framework to track and report our progress, including the impact we have on health, safety and sustainability in Canada and globally. It reviews how our operations impact the environment as well as the people and communities in which we operate. It also addresses our governance practices to ensure we are working to achieve our mission, maintain the health of the organization, and are properly representing our members and interested parties.



Our sustainability program leverages a framework to track and report our progress, including the impact we have on health, safety and sustainability in Canada and globally.



The Impact of Standards



Standards shape outcomes, and it is important that we continue to measure and demonstrate how our standards positively shape health, safety, and environmental outcomes for Canadians.

To help us in this endeavour, we leverage publicly available sources and web-based data analytics tools to track where our standards are used and referenced.

We use these metrics to help inform the future of standards development – to track the specific, real-world outcomes our standards have helped to shape, as well as to identify any potential gaps and determine what needs to be improved.

For this year's impact report, we focused on the socioeconomic impact of safe electrical grid connection to remote First Nations communities, safe and reliable nuclear power for Canadians, and supporting national accessibility and aging in place.



CSA Group standards:

80%

are adopted
by industry

60%

are referred to in
legislation and
regulations across
Canada



Wataynikaneyap Power is a licensed power transmission company, majority-owned by a partnership of 24 First Nations, who worked in collaboration with FortisOntario Inc. and other investors to make the project a reality.

Wataynikaneyap Power Project



CSA Part III Electrical Standards supported safe connections of remote First Nations communities to the power grid for the first time, providing access to sustainable, reliable power.

A brighter, more sustainable future, ensuring reliable and affordable energy for generations to come.

The transformative Wataynikaneyap Power Project is the largest First Nations-owned and -led grid connection infrastructure project in Canada. It has dramatically changed the way electricity is delivered to remote communities in Northwestern Ontario – supporting cleaner, safer, and more sustainable energy for remote communities.

Prior to the project, an unreliable power supply and limited capacity restricted community and economic growth and negatively impacted the quality of life for community members. Translated as “the line that brings light”, Wataynikaneyap Power is a licensed power transmission company, majority-owned by a partnership of 24 First Nations, who worked in collaboration with FortisOntario Inc. and other investors to make the project a reality.

CSA Part III Electrical Standards were critical to the success of the Wataynikaneyap Power Project, informing everything from system layout to weather risks like floods, wind, and ice – particularly critical in these remote northern Ontario communities prone to harsh environmental conditions.



CSA Part III Electrical Standards

This group of standards support safe electrical work, construction practices, PPE, procurement verification, and commissioning in extreme conditions. Some of these standards include:

- CSA C22.3 No. 1, *Overhead systems*
- CSA C22.3 No. 60826, *Overhead transmission lines – Design criteria*
- CAN/CSA-C22.3 No. 3-98, *Electrical coordination*
- CSA C22.3 No. 11, *Maintenance of electric and communication utility equipment and systems*
- CSA C22.3 No. 9, *Interconnection of distributed energy resources and electricity supply systems*
- CSA C411.4, *Composite suspension insulators for overhead lines > 75 kV*
- CSA C156.1, *Ceramic and glass station post insulators*
- CSA C156.2, *Composite station post insulators*
- CSA G164, *Hot dip galvanizing of irregularly shaped articles*
- C22.3 No. 4, *Control of electrochemical corrosion of underground metallic structures*
- CSA Z259.10, *Full body harnesses*





Construction of the award-winning megaproject was completed in December 2024, resulting in:



17 remote First Nations communities connected to the Ontario power grid for the first time, removing their reliance on diesel-generated electricity



1,800 km of transmission line (approx. one third the width of Canada)



15,000 people provided with clean, safe and reliable energy



750 jobs created for First Nations



\$1.15 billion in net present value savings* (by replacing diesel)

*Over 40 years. **Source:** PricewaterhouseCoopers (PwC/HDR) Socioeconomic Impact Study
Socioeconomic Impact Analysis of Building Grid Connection to Ontario's Remote Communities



CSA Part III Electrical Standards are critical to the success of major power infrastructure projects. CSA C22.3 No. 1 defines structure and conductor requirements and spacing for overhead systems, while CSA C22.3 No. 60826 provides guidelines for overhead transmission lines over 45 kV.

These standards were essential to the development of the Wataynikaneyap Power Project, addressing everything from system layout to weather risks like floods, wind, and ice.

The transmission line was erected on some of the most difficult terrains in Northern Ontario. From the beginning, the guidance and targets provided by CSA Group standards have put the project on a firm footing. CSA Group's Part III Electrical Standards were integral throughout every project stage, informing design, procurement, and implementation. The resulting reliable electricity service has supported improved and meaningful social and economic outcomes for the communities.

“

We drew upon the full CSA suite of standards for the core design requirements to ensure that, as products were being procured, we had assurances that they were going to meet or exceed the standards. We are procuring products from all over the world, and we have to ensure they can perform in extreme cold and harsh conditions. That's where the CSA standards come in.

Mike Jardine, Chief Operating Officer, Wataynikaneyap Power

”



The Wataynikaneyap Transmission Project:

- Supports the call of the 2016 Pan-Canadian Framework on Clean Growth and Climate Change for new actions to reduce diesel reliance in Indigenous communities through a variety of methods, including connecting communities to provincial electricity grids.
- Aligns with several goals in the Federal Sustainable Development Strategy, including: Effective Action on Climate Change, Clean Energy, and Safe and Healthy Communities.

Source: Government of Canada, Strategic environmental assessment for the Wataynikaneyap Transmission Project

Response to dire need for safe housing and schools

Communities in Northwestern Ontario often face considerable energy reliability issues, especially those with load restrictions. Blackouts are frequent due to system overloads – the demand for electricity exceeding available capacity. Unfortunately, this happens most often in winter when demand peaks and electricity is most needed.

Access to safe, high-quality housing is a top priority across First Nations. Wataynikaneyap was driven by a sense of urgency. Prior to this project, many generators in these remote communities were at capacity and not able to connect to new infrastructure – halting much needed construction including safe housing and schools. As a result, many people experienced sub-standard living conditions, including overcrowding. Many new buildings sat empty as they could not be connected to power with the diesel supply maxed out.

Increased energy security

Grid connection increases the availability and quality of electricity compared to diesel generators that have limited generation capacity and lead to load restrictions. With a more abundant source of electricity, communities can pursue economic activities that would not have been possible under load restrictions, such as building new schools, health care centres and homes, and supporting larger scale industries or businesses.

The megaproject enabled much-needed infrastructure improvements including:

- New homes and a connection of new schools built, including in Bearskin Lake, Sachigo Lake, and other First Nations communities.
- A 25+ housing unit subdivision built in Wunnumin Lake First Nation, including a connecting new school John George Martin Memorial, providing much needed space for students from junior kindergarten to Grade 10.
- Renovation of the school and arena, building of an office on the mainland, and a lighted sports field in Kasabonika Lake First Nation.
- Connection of a new school, police station, a number of housing and trailer units, and many building upgrades in North Caribou Lake First Nation.



Access to reliable electricity transforms lives by enabling clean water, health care, food security, housing, and economic development—realities many take for granted.



Glen King,
President & CEO, FortisOntario Inc.



“

Thousands of people living in these communities are experiencing much higher quality of life as a result of being connected to the grid

Jennifer Cooper,
Indigenous Services Canada

”

Building a sustainable Canada that's accessible for all



The *Accessible Canada Act* (ACA) aims to make Canada barrier-free by 2040. It defines a barrier as anything that prevents persons with disabilities from fully participating in society. The built environment is a priority area – ensuring that homes and public buildings are safe and accessible for all. Canada's national landscape for built environment accessibility has been significantly shaped by CSA Group standards.

CSA Group's **CSA/ASC B651, *Accessible design for the built environment***, was first published in 1990 to fill a need for a national technical standard to address accessibility. The most recent edition, CSA/ASC B651:23, was published on January 27, 2023. It contains requirements for making buildings and other facilities accessible to people with a range of physical, sensory, or cognitive disabilities or a combination thereof, including but not limited to those that involve mobility, reaching, manipulation, hearing, and vision.

» Accessibility impacts the majority of Canadians:



8 million

Canadians aged 15 and older had at least one disability in 2022¹



64%

have a disability or a family member they live with/care for with a disability²



86%

of Canadians believe that ensuring our buildings and spaces are accessible for people with disabilities is an urgent priority²

¹ Source: Statistics Canada, *Canadian Survey on Disability*, 2022

² Source: *National Accessibility Study*, Leger, March 2024



The Accessible Canada Act (ACA) aims to make Canada barrier-free by 2040. It defines a barrier as anything that prevents persons with disabilities from fully participating in society.



Removing barriers and liberating the potential of people with disabilities

CSA Group's commitment to a barrier-free Canada goes above and beyond the development of accessibility standards. For example, we played a pivotal role in supporting and launching the Rick Hansen Foundation Accessibility Certification™ (RHFAC) – a widely recognized rating system that measures and certifies building accessibility to CSA Group's Standards.

Leveraging our deep understanding of registry programs, we undertook detailed mapping and workflow analysis to create the RHFAC online registry to host and manage the foundation's certification program which included the creation of a certification mark. The program was officially launched at the Vancouver airport in 2018 with Rick Hansen and his executive team. The CSA Group team operated the registry thereafter for over five years until it was seamlessly transitioned over to the foundation.

RHFAC is the first program of its kind to measure the level of meaningful access of a site based on the holistic user experience of people with varying disabilities affecting mobility, vision, and hearing.

At its outset, RHFAC certifications used the **2018 edition of B651**. Since then, a total of **2,410 building sites** have been certified across Canada, supporting meaningful access to buildings and other facilities for people with a range of physical, sensory, and/or cognitive disabilities.

As real-world needs change, so do our standards. Five years later, CSA Group's 2023 national edition standard was published featuring significant updates to further enhance accessibility levels for Canadians. RHFAC proactively kept pace with the standards – not only expanding RHFAC certification requirements to include these substantial updates – but also including CSA Group's newly published **Accessible dwellings**

standard (CSA/ASC B652). B652 replaced general principles for residences with precise, standards-based criteria – resulting in a major expansion to the necessary criteria for residences to receive accessibility certification. Since 2023, a total of **363 sites** have been certified under these expanded RHFAC 4.0 criteria for public buildings and accessible dwellings, creating meaningful progress in built environment accessibility for Canadians.

Helping to Prevent Injury in Healthcare and Home Environments

Canada's population is aging rapidly. As life expectancy grows and fertility rates decline, an increasing share of Canadians will be 65 or older in the years to come.

Between 2016 and 2021, Canada's over-65 population grew from 5.9 million to 7 million people, and by 2040, this group is expected to make up 22.7% of the Canadian population. By 2051, nearly one-quarter of the country's population could be 65 years of age or older, totaling close to 12 million individuals.*

CSA Group's accessible building design standards inform safer building layouts for older adults and people with disabilities, helping to reduce injuries and fatalities.

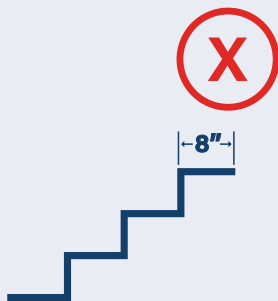
CSA Group sets the bar high to prevent injuries. Since its early editions, CSA/ASC B651 has set a minimum tread depth of 11" for accessible stairs. This goes above and beyond the minimum dimension in the National Building Code of Canada (NBCC), which increased from ~8" to ~10" only in 2015.

This proactive measure demonstrates our long-standing commitment to supporting safer, more accessible building design. Research demonstrates that stair dimensions aligned with CSA/ASC B651 requirements (e.g., adequate tread depth, controlled riser height) provide quantified benefits to stability, particularly for older adults.

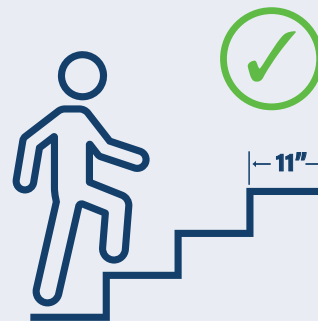
*Source: *Statistics Canada Population Projections for Canada (2021 to 2068) & CSA Group, Aging Canada 2040



Increasing stair tread depth from 8" to 11":



Prevents 13,000 injuries and 39 deaths over a five-year period



Supports up to a 4-fold reduction in stair accident rates¹

EACH YEAR:

Approximately **one of three** older adults will experience a fall



Of those, roughly **50%** will experience repeated falls



Additionally, over **50%** of older adults who have previously fallen will also develop a fear of falling



The fear of falling leads individuals to avoid many fundamental activities of daily living, contributing to decline in physical function, independence, level of activity and health-related quality of life.²

Sources:

¹ Wright, Michael, and Mike Roys. "Accidents on English Dwelling Stairs Are Directly Related to Going Size." *Contemporary Ergonomics* 2008, edited by Philip D. Bust, Taylor and Francis, 2008, pp. 632-637.

² KITE Research Institute, University Health Network (UHN): Novak, A.C., et al. "Age-Related Differences in Dynamic Balance Control during Stair Descent and Effect of Varying Step Geometry." *Applied Ergonomics*, vol. 52, 2016, pp. 275-284. Novak, A.C., and B. Brouwer. "Sagittal and Frontal Lower Limb Joint Moments during Stair Ascent and Descent in Young and Older Adults." *Gait & Posture*, vol. 33, no. 1, 2011, pp. 54-60.

Helping provide safe and reliable nuclear power in Canada



CSA Group has been developing nuclear standards since the late 1970s, created and maintained with input from volunteer experts representing industry, public interest groups, and government bodies, including Canada's federal regulator, the Canadian Nuclear Safety Commission (CNSC). These standards are a critical part of the overall goal to help ensure public safety across many nuclear activities and support regulatory, policy, and operational needs.

Topics covered by CSA Group's nuclear standards portfolio include management systems, pressure boundary, periodic inspections, safety systems, safety analysis, structural integrity, seismic qualification, environmental protection, radioactive waste management, and decommissioning. Together, these standards support the safe design, operation, and maintenance of nuclear facilities in Canada.



For more than 50 years, CSA Group has developed standards for the nuclear energy industry in Canada.



CSA N285.0 / N285.6 SERIES, *General requirements for pressure-retaining systems and components in CANDU nuclear power plants / Material Standards for reactor components for CANDU nuclear power plants*



CSA N290.9, *Reliability and maintenance programs for nuclear power plants*



CSA N290.20, *Aging management requirements for nuclear power plants*



CSA Group standards support the operation and life extension of nuclear power plants by addressing a broad spectrum of topics – providing requirements, guidance, and best practices, including reliability, maintenance, and aging management programs. Further, our nuclear standards portfolio contributes to the reliability of Canada's nuclear power plants, supporting a reduction in unplanned power reductions and outages.

39%

reduction in
unexpected reactor
power changes (i.e.
unplanned transients)¹

32%

reduction in unplanned
capability loss factor
(i.e. unplanned
energy losses)²

¹ Reductions in unplanned transients reduce unnecessary strain on a power plant's systems. Based on publicly reported year-over-year data 2014-2021 analyzed by CSA Group.

² Reduction in unplanned capability loss factor indicates important unit equipment is well maintained and reliably operated with few outage extensions or unplanned shutdowns, resulting in a more reliable supply to the electrical grid for Canadians. Based on publicly reported year-over-year data 2011-2021 analyzed by CSA Group.

Standards Research, Development, Education and Advocacy



Standards are developed through a rigorous, consensus-based process that brings together diverse expert perspectives from across the system. As an accredited national standards development organization, in both Canada and the United States, CSA Group convenes technical committees composed of subject matter experts representing a balance of interests. Standards do not stand still. They represent years of ongoing collaboration among engineers, regulators, safety experts, policymakers, and industry partners, and they must continue to be updated, adapting as technologies and applications change. The consensus process is reinforced through formal checks and balances. Draft national standards undergo a public review period, during which anyone can submit comments. Every comment is then reviewed and dispositioned by the technical committee. Standards are additionally subject to formal balloting requirements before publication. Ongoing research is essential to supporting standards development and ensuring standards keep pace with industry trends, helping manage risk while enabling innovation.

Strategic investment in standards development, advocacy, and digital innovation have allowed us to grow the reach, influence, and impact of our standards activities. Some examples include:

- **Strategic Development** continued to expand and diversify our membership and standards portfolio, extending its reach to a third new sector, education services – with an advisory group formed and the first standard deliverable published.
- **Education** has broadened its offerings to meet the growing demand of workforce upskilling. This past year, we launched three upskilling programs for ground source heat pump professionals. This seminal program addresses an industry need, tied closely to our standards work, and introduces a new strategic funding stream for our Standards organization.
- **Research** expanded its scope to encompass exploratory future-focused research, helping us anticipate and address complex societal challenges, and ultimately, promote standards readiness – the first two priority topics for exploratory research have now been selected and calls for research proposals launched.



2025 achievements:

27

research reports
that informed new
standards work

19

public policy papers
released and **2 CSA
Policy Pathways
Conferences** hosted

462

standards published,
including **69** new
standards topics

54

education
courses

were added, supporting
over **27,427 learners**
and an additional **20
complimentary standards**
support tools published

+1,600

new members onboarded to maintain a
healthy and growing membership base
of **11,542** members

16 million media
impressions

Promotion of CSA Group standards with more than
16 million media impressions across numerous
media channels, including mainstream Canadian
media outlets – the Toronto Star, The Globe and Mail,
City News (radio) and BNN Bloomberg



Priorities for the Year Ahead

With much achieved in 2025/26, the coming year will offer a myriad of exciting, timely and impactful opportunities to help improve quality of life for Canadians. We remain committed to the four pillars of our standards mission – Standards Development, Research, Education and Advocacy – and will continue to invest in these areas.

1

Standards Development

Building on the momentum of our cross-sector Committee Weeks, CSA Group will continue to invest in convening our committees around issues that demand system-level thinking. In the coming year, we will bring together committees from across diverse sectors to tackle cross-cutting challenges in **Transit**; from safety and accessibility to infrastructure renewal and emerging technologies, while also focusing on **Data and Artificial Intelligence**, where trusted frameworks, interoperability, and responsible use are increasingly critical across every sector. These Committee Weeks will remain a cornerstone of our approach to fostering collaboration, surfacing shared challenges, and accelerating standards solutions that support Canada's evolving needs.

2

Research

Our Core Research Program will continue to examine and inform key issues and gaps brought forward by our standards sectors, helping to support our committees and inform the standards they develop. With the recent launch of our new Explore Research Program, three projects will be awarded funding in each of our two priority initiatives of Protecting Canada's Freshwater and Securing Canada's Communications future. Together, these projects will provide deep insights on complex issues with a cross-disciplinary lens, helping to advance preparedness and enhance standards readiness.

3

Education

Our Education program will continue to grow its suite of learning programs by developing comprehensive, competency-based learning pathways in in-demand areas of transit and clean energy and will explore learning needs in the cross-disciplinary topic of climate resilience and adaptation. We will continue to support standards users through the development of no-fee support tools such as checklists, infographics, instructional videos and microlearning modules and will grow uptake of our standards literacy modules by post-secondary students across Canada.

4

Advocacy

The CSA Public Policy Centre will be expanding its activities with a focus on driving impact on specific policy issues with a nexus to standards. Next year's focus will be on selecting policy issues within the health and social policy realms that allow us to work with partners, including governments, to garner measurable and tangible change on topics that improve the health and well-being of Canadians.



Over the next year, CSA Group will also launch a clearly defined, market-facing Advisory Services offering, supported by early pilots and real-world case studies, to help governments, industry, and standards-users translate policy and business objectives into actionable, standards-based solutions with measurable outcomes. This will reinforce CSA Group's role as a trusted advisor, enabling clients and partners to apply standards strategically in support of safety, innovation, risk management, sustainable growth, and effective policy delivery.

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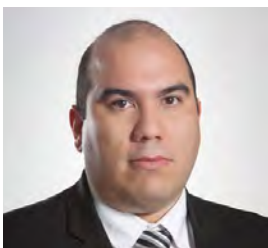
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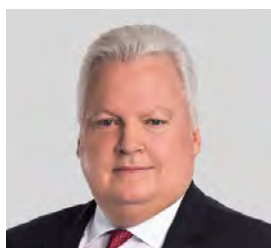
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CSA Group is a global organization dedicated to safety, social good and sustainability. We are a leader in North American standards and in product testing, inspection and certification around the world. Our mandate is to hold the future to a higher standard.