

2023 Year in review

A sustainable and prosperous Canada:
The connection is chemistry



**CHEMISTRY INDUSTRY
ASSOCIATION OF CANADA**



Responsible Care®
Our commitment to sustainability.

MESSAGE FROM THE PRESIDENT AND CEO



Eight years ago, CIAC's Board of Directors charted a bold new course for the Chemistry Industry Association of Canada. Reflecting on more than two decades without major new chemistry investments, the Directors mandated CIAC to contribute to a public policy environment capable of supporting a responsible and growing chemistry and plastics industry in Canada. Our objective was to find and secure the 'missing' \$30 billion in new chemistry investments that should have come to Canada, given more than \$300 billion in new chemistry investments in the United States in previous years.

With that as context, 2023 represents a milestone year of accomplishments towards that objective:

- In March 2023, **Inter Pipeline's \$5 billion** Heartland Polymers facility in Strathcona County, Alberta, entered commercial operation. This operation is North America's first integrated propane dehydrogenation and polypropylene facility and is also one of the world's lowest greenhouse gas emitting propylene production facilities.
- Also in early 2023, **Nova Chemicals** announced it had completed construction of its **\$3 billion expansion** in Lambton County, Ontario. That investment expands ethylene capacity at the company's Corunna site by 50 per cent. A new polyethylene production facility was also constructed in nearby Rokeby, Ontario increasing the company's polyethylene capacity in the region by more than 60 per cent.
- In November 2023, **Dow Canada** announced that its Board of Directors had reached a Final Investment Decision to **construct the world's first net-zero Scope 1 and 2 emissions** integrated ethylene cracker and derivatives facility in Alberta, Canada. Scheduled for completion in 2030, this multi-billion-dollar investment will triple output at the Fort Saskatchewan site, while decarbonizing nearly 20 per cent of Dow's global ethylene capacity and growing the company's global polyethylene supply by approximately 15 per cent.
- In late 2022, **Polykar** officially **opened a new 50,000 square-foot, state-of-the-art plant** in Edmonton, Alberta. The new facility includes a cutting-edge recycling operation, positioning the company to actively participate in Alberta's efforts to divert plastic waste from landfills.

MESSAGE FROM THE PRESIDENT AND CEO

In addition to the above announcements, CIAC is currently tracking over 20 additional chemistry and plastics related projects, with estimated value of more than \$20 billion that are either under construction or proposed in Canada. These projects include applications such as battery chemicals for electric vehicles, ammonia and methanol production, hydrogen production, carbon capture and storage, plastics recycling, and energy storage.

This radical change of fortune has come about through renewed efforts, such:

- The Alberta Petrochemical Incentive Program and complementary supports for carbon capture and storage;

- Various Government of Canada programs such as the Strategic Innovation Fund and the Net Zero Accelerator, along with the recently announced Investment Tax Credits to support decarbonization; and
- Other complementary and material actions by the Provinces of Ontario, Quebec, and British Columbia.

Sincerely,



Bob Masterson, President and CEO,
Chemistry Industry Association of Canada

ABOUT CIAC

The Chemistry Industry Association of Canada (CIAC) is the Association for leaders in Canada's chemistry and plastics sectors. Our members are innovators, solution providers, and world-class stewardship pioneers.

We work to shape public policy which supports investment, jobs, and the environment. We take pragmatic and evidence-based approaches which represent our members' interests and benefit all Canadians. CIAC founded Responsible Care®, a chemistry ESG and the industry's globally recognized sustainability initiative, in 1985. Since then, our commitment to its Ethic and Principles has never wavered.

At our core, we believe it is imperative ***“to do the right thing and be seen to do the right thing.”*** Additionally, CIAC Plastics Division members have committed to Operation Clean Sweep™, a program dedicated to eliminating the release of industrial plastics to the marine environment.



Responsible Care®
Our commitment to sustainability.



**CHEMISTRY INDUSTRY
ASSOCIATION OF CANADA**

OUTCOMES FOR 2023 AT A GLANCE

- Recognized as Great Place to Work Canada® Certified™ for the third year in a row.
- Responsible Care® and Operation Clean Sweep™ recognized through the Federal Government's Code of Practice for the Environmentally Sound Management of Chemical Substances in the Chemicals, Plastics and Rubber Sectors.
- Responsible Care recognized by Ontario Occupational Health and Safety Management System within its Supporting Ontario's Safe Employers program.
- Launched inaugural Responsible Care Awards.
- Recognized in the Hill Times Lobby Monitor Top Lobbyist list for 2023.
- More than 27 submissions to the federal government on chemicals management issues.
- More than 10 submissions on issues pertaining to plastics regulation.

THE PASSING OF **GILLES LAURIN**



With great sadness, CIAC lost a dear friend and former steward of Responsible Care®, **Gilles Laurin** on July 18. He was taken from us far too quickly after suffering a short but difficult illness. Gilles was CIAC's longest serving staff member — almost 33 years — when he retired at the end of 2021.

He was an incredibly dedicated member of CIAC and made it his mission to ensure that all new members and staff truly understood the importance of Responsible Care and its Ethic of ***“do the right thing and be seen to do the right thing.”*** Gilles was THE heart of Responsible Care. ***“Beyond what's required”*** — the first Responsible Care tag line — perfectly describes Gilles' commitment to the Ethic and Principles of the initiative and his dedication to supporting our members, partners and verifiers in their Responsible Care journey was unmatched.

Gilles will be remembered for his kindness and generosity of spirit.

RETIREMENT OF **NANCY MARCHI**



At the end of March, CIAC's second longest serving employee, **Nancy Marchi**, retired. Having joined the Association (then the Canadian Chemicals Producers' Association) on October 30, 1991, this marked over 31 years of service to the organization and its members — an incredible accomplishment. Nancy played important roles across the organization, earlier in public affairs and for her last five years as Manager, Executive Services.

CIAC WELCOMES NEW CHEMISTRY MEMBERS **AIR LIQUIDE, ORIGIN AND CHEMOURS** AND NEW ASSOCIATE MEMBER **SPARTAN CONTROLS**

In 2023, CIAC welcomed new chemistry members **Air Liquide, Origin Materials Canada Pioneer Limited,** welcomed back **The Chemours Company** and welcomed new associate member **Spartan Controls.** Air Liquide is a French multinational company with more than 2,500 employees in Canada working in a wide variety of sectors, from oil and gas, mining, healthcare, automotive, aeronautics, metallurgy, metal fabrication to chemical and agri-food industries with production and distribution sites in Scotford, Alberta and Bécancour, Québec.

Origin Materials is the world's leading carbon negative materials company producing sustainable materials with a commercial-scale production site located in Sarnia, Ontario. Chemours is a U.S.-based company with 35 manufacturing and laboratory sites worldwide that serve customers in approximately 120 countries. Spartan Controls, a provider of industrial automation solutions in Western Canada, also joined CIAC as an associate member.



NEW CHAIR AND VICE-CHAIR



Apala Mukherjee



Rocky Vermani

October 18, CIAC welcomed **Apala Mukherjee**, President, BASF Canada, as its new Chair of the Board of Directors and **Rocky Vermani**, Senior Vice President, Sustainability and Innovation, NOVA Chemicals Corporation, as Vice-Chair at its Board of Directors meeting. CIAC also welcomed **Brad Apking**, Site Director, Methanex Corporation, **Amir Karim**, President and CEO, Polykar, **Todd Karran**, Chief Executive Officer Petrochemicals, Inter Pipeline Ltd., **Amanda VanderBurg**, Regional Production Director, MEGlobal Canada ULC, and **Peter West**, Head of Manufacturing, ARLANXEO Canada Inc. as new Directors in 2023.





CIAC BOARD OF DIRECTORS VISITS HOUSE OF COMMONS

On October 17, CIAC's Board of Directors were delighted to attend Question Period in the House of Commons. There, they met with the Speaker of the House and toured the House of Commons.

CIAC hosts Responsible Care® workshops, Board and Committee meetings

May 30 to June 1, CIAC members and invited guests met in Toronto for a series of meetings and Responsible Care workshops. While the workshops were aimed at informing members on a range of important topics, the Committee meetings plotted the course for CIAC and outlined priorities.

Hon. Vic Fedelli, Ontario's Minister of Economic Development, Job Creation and Trade, spoke to the Board about the chemistry industry's integral role in electric vehicle and battery manufacturing. **Hon. Graydon Smith**, Ontario Minister of Natural Resources and Forestry, also addressed the Board to talk about the Government of Ontario's work on carbon storage and new technology that can help industry meet emission reduction targets. As well, **Trevor Dauphinee**, CEO, Invest Ontario, addressed the Board to talk about how Invest Ontario recognizes the chemistry sector as a growth sector and is interested in working together to support new investments in Ontario.



Ontario Chief Prevention Officer accredits Responsible Care under SOSE

On May 31, following CIAC's Responsible Care workshops in Toronto, **Dr. Joel Moody, Ontario's Chief Prevention Officer**, accredited CIAC's Responsible Care as a recognized Occupational Health and Safety Management System within its Supporting Ontario's Safe Employers program. Dr. Moody celebrated the program's unwavering commitment to safety, sustainability, and continuous improvement within the chemical industry.



[Watch a video of the announcement here.](#)

DOW ANNOUNCES **WORLD'S FIRST NET-ZERO CARBON EMISSIONS ETHYLENE AND DERIVATIVES COMPLEX**

On November 29, [Dow Canada](#) announced that it has finalized plans to build the **world's first net-zero carbon emissions ethylene and derivatives complex** in **Fort Saskatchewan, Alberta**. This incredible investment came after years of work by Dow, CIAC and all

levels of government to create the right policy conditions for such a massive investment. The new complex will decarbonize approximately 20 per cent of Dow's global ethylene capacity while growing polyethylene supply by nearly 15 per cent.

Fort Saskatchewan
PATH₂ZERO
DOW GROWTH & NET-ZERO TRANSFORMATION



Existing asset	New Dow asset	Third-party asset
 Admin building	 FS1 ethylene cracker	 FS2 ethylene cracker
 Energy Systems & Environment Operations	 Maintenance & Emergency	 LP-8 gas phase polyethylene plant
 Existing rail	 Solution polyethylene production	 Solution polyethylene production
		 Air separation unit
		 Cogeneration
		 H ₂ / CO ₂
		 Logistics & rail car loading

Photo credit: <https://ca.dow.com/en-ca/about/fort-saskatchewan-path2zero.html>

NOVA CHEMICALS COMPLETES MAJOR EXPANSION

In 2023, **Nova Chemical's** completed construction of its \$3-billion polyethylene plant in St. Clair Township, marking Ontario's largest chemistry industry investment in over 35 years. The polyethylene facility will have the capacity to produce approximately one billion pounds of polyethylene plastic a year when it begins production in early 2024.



INTER PIPELINE BEGINS PRODUCTION

In July, [Inter Pipeline](https://interpipeline.com/news-releases/inter-pipeline-successfully-commissions-heartland-polypropylene-facility/) announced it has successfully commissioned its polypropylene (PP) plant and started initial production. Branded Heartland Polymers, the operation is the only one of its kind in North America, offering the market one of only two new sources of PP in over a decade. Due to its unique location, modern design and technology and transport optionality, Heartland's products are expected to be one of the most sustainably produced, reliable options in the industry. Construction of the Heartland Petrochemical Complex began in early 2018, and it is expected to convert locally sourced, low-cost propane into 525,000 tonnes per year of PP, a high value, multi-use plastic that is easily transported and can be recycled.



Photo credits: <https://interpipeline.com/news-releases/inter-pipeline-successfully-commissions-heartland-polypropylene-facility/>

POLYKAR OPENS FACILITY IN EDMONTON



In December 2022, [Polykar](https://polykar.com/), a sustainable packaging manufacturer, opened its new 50,000 square-foot, state-of-the-art plant in Edmonton. The plant includes a cutting-edge recycling facility and creates 50 new jobs, which is expected to increase to 70 in the coming years.

FEDERAL ADVOCACY

> Nearly **100 meetings** with elected and non-elected officials.

Committee appearances

On April 17, **Christa Seaman** (below), Vice-President of CIAC's Plastics Division, appeared before the House of Commons Standing Committee on Industry and Technology for its study of Development and Support of the Electronics, Metals and Plastics Recycling Industry. There, she explained the environmental and economic benefits of advanced recycling and extended producer responsibility. [Watch it here.](#)



September 28, CIAC's **Greg Moffatt**, Vice-President of Policy and Corporate Secretary, and **David Cherniak**, Policy Manager of Business and Transportation, spoke to the Standing Committee on Natural Resources about Canada's Clean Energy Plans in the Context of North American Energy Transformation. [Watch it here.](#)



Hill Times Top Lobbyist for 2023

CIAC once again made it to the Hill Times Top Lobbyist list for 2023. The list is intended to showcase prominent lobbyists at the federal level based on their reputation and perceived effectiveness, as judged by their peers and was compiled by The Hill Times and Lobby Monitor.

Federal recognition of Responsible Care® and Operation Clean Sweep™

In February, CIAC's Responsible Care and Operation Clean Sweep programs were federally recognized through the Government's proposed Code of Practice for the Environmentally Sound Management of Chemical Substances in the Chemicals, Plastics and Rubber Sectors. This code is meant to identify and promote best practices in the management and handling of chemical substances and to be a supporting risk management instrument under Canada's Chemicals Management Plan.



Bob Masterson's op-ed in the Edmonton Journal: Canada's petrochemical industry reaping new investments

December 19, **Bob Masterson** op-ed was featured in the Edmonton Journal. In his piece, he outlines all the exciting new investments taking place in Canada's chemistry sector and how government investment policy helped them happen. [Read the article.](#)

Chemistry Industry

2024 Federal Pre-budget Submission Brief

2024 Prebudget Submission to the Standing Committee on Finance

In August, CIAC submitted its Prebudget Submission to the Standing Committee on Finance. In its recommendations, CIAC outlined the urgent need to enact broad-based investment tax credits into law, re-commit to the Accelerated Capital Cost Allowance and ensure strong policy frameworks for innovation.

[Read it here.](#)

Submission to:
The Standing Committee
on Finance
August 2023

CHEMISTRY INDUSTRY
ASSOCIATION OF CANADA



Chemistry Industry: A strong Canada's chemicals management

Through our world-class Chemicals Management Plan (CMP), Canada is achieving its objective of reducing the risks posed by chemicals to Canadians and their environment. Following the release of Bill S-5 Strengthening Environmental Protection for a Healthier Canada Act in June 2023, the CMP is set to continue delivering positive results using the science- and risk-based approach at the heart of the Act.

How has the Canadian Environmental Protection Act (CEPA) been modernized?

Key highlights:

- Bill S-5 requires that domestic suppliers review CEPA requirements to ensure they are in line with the latest scientific information and best practices.
- CEPA is being updated to reflect the latest scientific information and best practices.
- Over the next five years, the federal government will develop a new regulatory framework to ensure that the latest scientific information is used to assess the risks of chemicals.
- CEPA, the Chemicals Act, and the Chemicals Regulations will be updated to reflect the latest scientific information and best practices.

New plan of chemicals management priorities

With new powers, Canada will strengthen the way it manages chemicals. The new plan of chemicals management priorities will focus on:

• Reducing the risks of chemicals to Canadians and the environment.

• Improving the way chemicals are managed in Canada.

• Ensuring that the latest scientific information is used to assess the risks of chemicals.

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PLASTICS 101: WHAT ARE PLASTICS?

Plastics are a group of polymers, which form strong and flexible materials such as bottles, pipes, and car parts. They are made from natural or synthetic materials and are used in a wide range of products.

Plastics are made from a variety of raw materials, including oil, natural gas, and coal. They are processed into a molten state and then shaped into the desired form.

Plastics are used in a wide range of products, from packaging to construction. They are also used in a variety of applications, from medical devices to automotive parts.

Plastics are a versatile and durable material. They are also lightweight and easy to transport. This makes them a popular choice for many applications.

Plastics are a key part of our modern lives. They are used in a wide range of products and applications. This makes them an essential part of our daily lives.

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Investing in decarbonized chemistry to strengthen Canada's economy

Chemistry and plastics is Canada's fourth largest manufacturing sector. To compete with other countries and jurisdictions while reducing emissions, significant investment is needed. Canada's modernized chemical and plastic production processes.

There is a five-part pathway to transition the global chemistry industry to low carbon:

1. Carbon Capture, Utilization and Storage (CCUS)

2. Hydrogen

3. Electrification

4. Feedstock switching to low-carbon feedstocks

5. Building capacity for new business models

To achieve this, chemistry and plastics in Canada requires:

• Investment in research and development to develop new technologies.

• Investment in infrastructure to support the production and distribution of low-carbon chemicals.

• Investment in workforce training to develop the skills needed for the low-carbon economy.

• Investment in policy and regulatory frameworks to support the transition to a low-carbon economy.

• Investment in public-private partnerships to drive innovation and investment.

• Investment in international cooperation to share best practices and resources.

• Investment in leadership to drive the transition to a low-carbon economy.

• Investment in innovation to develop new technologies and business models.

• Investment in resilience to ensure the low-carbon economy is sustainable.

• Investment in inclusion to ensure the benefits of the low-carbon economy are shared.

• Investment in justice to ensure the low-carbon economy is fair.

• Investment in transparency to ensure the low-carbon economy is accountable.

• Investment in integrity to ensure the low-carbon economy is ethical.

• Investment in trust to ensure the low-carbon economy is reliable.

CIAC released several new fact sheets for 2023:

- CEPA updates and Canada Chemicals Management Plan
- Plastics 101: What are plastics?
- Recycling 101: The waste hierarchy
- Chemistry and Plastics supporting the development of Canada's hydrogen sector
- Chemistry and Plastic investment: supporting a sustainable future and driving Canada's economy
- Investing in decarbonized chemistry to strengthen Canada's economy

[View Fact Sheets](#)

WESTERN CANADA

- > **80 meetings** or other engagements with government officials in Western Canada.
- > **7 written submissions** to official government consultations.



L-R: Bob Masterson (CIAC), Jody Magill (Methanex), Kevin Henderson (Methanex), Alberta Premier Danielle Smith, Kirsten Spisak (Constituency Assistant), Brad Apking (Methanex), Kai Horsfield (CIAC).

Alberta Premier, **Danielle Smith** tours Methanex facility

On January 9, Alberta Premier **Danielle Smith** toured Methanex's facility in Medicine Hat, Alberta with **Bob Masterson**, CIAC President and CEO, **Kai Horsfield**, CIAC Director of Stakeholder and Government Relations for Western Canada and **Kevin Henderson**, Senior Vice-President of Manufacturing at Methanex. The premier spoke to CIAC and Methanex

management about investment attraction and decarbonization through carbon capture and storage. The next day, Premier Smith mentioned in a press conference that CIAC had told her about the success of the Alberta Petrochemicals Incentive Program and would be taking a closer look at expanding the program.

 [Watch the press conference here.](#)



(L-R) Emily Fattore (ERCO Worldwide), Bob Masterson (CIAC), Mark Seldenthuis (HTEC), Mike Claussen (Trimac Transportation).

Alberta Chemistry and Plastics Day

Close to 100 guests attended CIAC's Alberta Chemistry and Plastics Day in Edmonton on February 22. Topics of discussion included:

- Sustainable transportation in the chemistry sector;
- Opportunities and challenges in advancing a circular economy for plastics; and
- Issues and solutions to transportation and supply chain challenges.

Speakers included representatives from industry, CIAC members and partners, government officials and other stakeholder groups.



(L-R) Jamie Siu (PwC Canada), Eric Harvey (CN), Greg Rogge (Vancouver Fraser Port Authority), Kara Edwards (CIAC), Malcolm Bruce (Edmonton Global).



Greg Moffatt presented Queen Elizabeth II's Platinum Jubilee Medal (Alberta)

CIAC Vice-President of Policy and Corporate Secretary, **Greg Moffatt**, was awarded Queen Elizabeth II's Platinum Jubilee Medal (Alberta) on February 17. Greg was nominated by the **Minister of Service Alberta and Red Tape Reduction, Dale Nally**, who also presented the medal. As past chair of the Chemical Manufacturing Red Tape Reduction Industry Panel, Greg's leadership was recognized as directly contributing to numerous initiatives in support of the efficient regulation and sustainability of Alberta's chemical manufacturing sector.

Provincial Carbon Capture and Storage (CCS) Support Program

Through 2023, CIAC was active in advocating for the Alberta government to provide financial support for CCUS infrastructure that would support the decarbonization of current and future chemistry facilities. This advocacy included meetings with **Premier Smith**, key Ministers and senior departmental staff. On November 28, the premier announced the framework for a provincial program that would provide a 12 per cent grant for new CCS projects in Alberta. More information on the program can be found on the government's website.



Kai Horsfield

CIAC presents to B.C.'s Select Standing Committee on Finance

On May 29, **Kai Horsfield** presented to British Columbia's Select Standing Committee on Finance and Government Services regarding the 2024 provincial budget consultations. He focused remarks on three recommendations:

- Implement an industrial strategy that considers the value-added resource manufacturing sectors of chemistry and plastics as a strategic supply chain sector for the province;
- Recognize and treat plastic as a resource that can add economic value to the B.C. economy;
- Carbon policy stability and investment supports when designing and implementing the carbon pricing framework for large emitters.

- > **25 meetings** and engagements with senior officials and elected officials.
- > **8 submissions** on environment and climate change, occupational health and safety and pre-budget.



Ontario 2023 Prebudget Consultation

CIAC released its Ontario Prebudget Consultation submission January 17, which recognized the Ontario Government's recent regulatory efforts such as proposing to remove the restriction on carbon sequestration, rolling out a new digital hazardous waste management program and updating the Emission Performance Standard for the 2023-2030 period. Building on those initiatives, CIAC recommended a coordinated effort to support the transformation of Ontario's chemistry sector to a circular plastics and net-zero carbon economy. [Read it here.](#)



Bob Masterson appointed to Ontario Advanced Manufacturing Council

On April 24, **Bob Masterson** was appointed by **Vic Fedeli**, Ontario Minister Economic Development, Job Creation and Trade, as a member of the Advanced Manufacturing Council. The Council, made up of leaders from several of Ontario's advanced manufacturing sector, will provide advice and support for developing the Ministry's Advanced Manufacturing Strategy.

Ontario advances climate change regulations

Further progress was made on climate change regulations in Ontario in 2023. On March 22, the removal of the legislative restriction preventing the geologic storage of carbon received Royal Assent. Work continues on the development of the regulatory framework to enable carbon storage in the province. On September 13 and then re-confirmed in the November 2 Fall Economic Statement, Ontario will return Emission Performance Standard proceeds in full back to emitters to invest in GHG reduction initiatives.

- > **18 meetings** and engagements with senior officials and elected officials.
- > **3 submissions.**

Quebec government announces nearly **\$1 billion in investments**

As part of its 2023 budget, the Quebec government announced **\$995 million** to foster business investment and innovation through an enhanced tax credit. They will also move to simplify the investment tax assistance plan. This will help CIAC members in Quebec move forward with their efforts to implement best available technologies to support their decarbonization and circular economy journey.

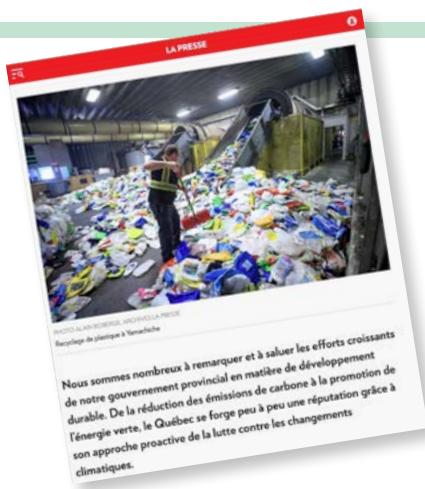
CIAC Members met with **five key Ministries**

Quebec MNAs tour CIAC member sites

On April 13, **Claude Reid**, Member of the National Assembly (MNA) for Beauharnois met with **Geneviève Fortier**, President of W.R. Grace Canada and **Michel Brassard**, Regional Operations Manager USA Eastern region and Canada at National Silicates, both located in Salaberry-de-Valleyfield, Quebec.

On April 14, **Louis Lemieux**, MNA for St-Jean-sur-Richelieu met with **Francis Bélanger**, Site Director and **Isabelle Lestage**, Human Resources and Communications Manager from SEQENS in Saint-Jean-sur-Richelieu, Quebec.

On December 8, CIAC's Quebec members met with representatives from five provincial ministries — Finance; Environment, Climate Change and Conservation and Parks; Economy, Innovation and Energy; Natural Resources; and Transport. They received a “state of play” from the environment ministry’s Energy Group regarding Hydro Quebec’s action plan and the process for project selection. Additionally, the group engaged in a dialogue about supporting industry competitiveness including around issues related to reliable rail services, investment support, environmental issues, support programs for employee training and the future of plastics regulations.



Op-ed in La Presse

In an April 10 op-ed in La Presse, **Yves Hamelin**, CIAC Regional Director for Quebec, described advanced recycling and the potential environmental and economic benefits it holds for Quebec.

“The benefits of advanced recycling go beyond simply reducing waste. By creating a circular economy in which waste is transformed into new products, we can reduce our dependence on fossil fuels and other non-renewable resources. We can also create new jobs and stimulate economic growth in Quebec’s booming green economy.”

[Read it here.](#)



Jean Bélanger

The passing of **Jean Bélanger**

Jean Bélanger, the founder of Responsible Care®, passed away on April 28 at age 89. Jean joined the CIAC (then the Canadian Chemical Producers Association) as its first President and CEO in 1979, serving until 1996. For his contributions to the founding of Responsible Care, Jean received the Order of Canada and was invited to join Canada's National Roundtable on the Environment and Economy. He was also recognized globally, listed on the United Nations Global 500 Honour Roll for Environmental Achievement in 1992 at the United Nations Conference on Sustainable Development.

[Read our full statement here.](#)

Jean Bélanger honoured in the House of Commons

On October 19, Jean Bélanger, was honoured in the House of Commons by **Parliamentary Secretary to the Minister of National Defence Marie-France Lalonde**. Her statement read in part, *"He dedicated his life to championing sustainability and responsible practices in Canada's chemistry sector earning the prestigious Order of Canada for his pivotal role in founding Responsible care."* It was a powerful statement for a formidable man. [Watch it here.](#)



Responsible Care featured in EARTH with **John Holden**

In March, CIAC and Responsible Care were featured on the docu-series EARTH with **John Holden**. Along with representatives from Pollution Probe, CCC Sulphur and BASF Canada, **Bob Masterson** spoke to six-time Emmy Award winner **John Holden** about the Canadian chemistry sector's commitment to safety and sustainability through Responsible Care. Through a series of in-depth interviews and on-site discoveries, Holden highlights the ways businesses around the globe are protecting the environment and mankind with their commitment to creating a better world.

The program aired on BNN Bloomberg Canada, and in the U.S. it aired on Bloomberg TV and FOX Business Network. The episode can also be seen on the show's website and through numerous streaming platforms such as Roku TV, Amazon Fire TV, Google TV and Vimeo TV. [Watch it here.](#)





The 2022 CIAC Sustainability Report

In June, CIAC released its 2022 Sustainability Report, which outlines our members' accomplishments throughout the 2022 calendar year.

[Read the report here.](#)

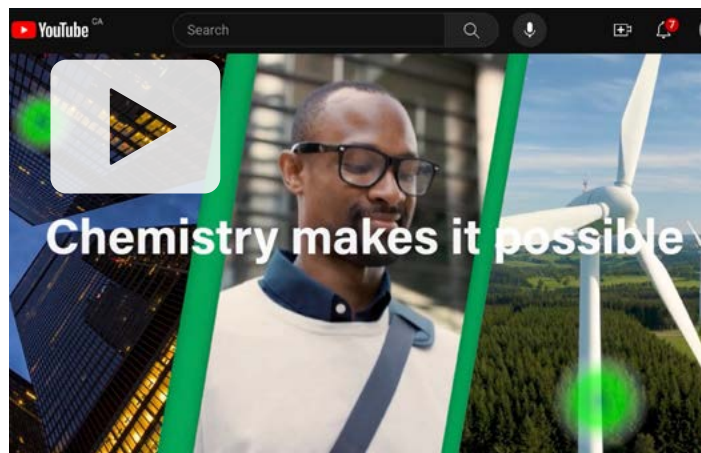
RCMS or RC14001 Workshop

November 28-30, CIAC also held a separate three-day event to provide members an opportunity to deep dive into the respective technical specifications to better understand the requirements for certification. As of 2025, CIAC members must meet their assurance requirements for Responsible Care by being certified to either the RCMS or RC14001 technical specification.

Responsible Care: the made-in-Canada chemistry industry ESG

In May, CIAC released a **new video** outlining CIAC's made-in-Canada environmental, social and governance initiative for the chemistry industry, Responsible Care.

[!\[\]\(faf942dc3e59ce8eb64b4ac481eca7e0_img.jpg\) Watch it here.](#)



INVESTMENT POLICY



Letter to Parliamentarians: Canada must act now to remain competitive

CIAC joined **more than 20 organizations** in a full-page, joint letter to Parliamentarians on March 22 in the Hill Times. Spearheaded by Clean Energy Canada, the letter states, *"As the world rapidly moves towards a net zero economy, Canada has a generational opportunity to position itself for success in the 21st-century sustainable economy,"* and encouraged the federal government to take bold steps in Budget 2023 to support Canadian businesses that are innovating to compete in a low-carbon world.

[Read more.](#)

Bob Masterson in the Edmonton Journal: Will budget help industry compete for investment?

Bob Masterson was featured in the opinion section of the Edmonton Journal on March 11. In this column, he states what is at stake for Canada's industrial sector regarding the federal budget. *"Decisions made by the federal government will dictate whether Canada's important chemistry sector can continue to expand and decarbonize, or whether the race will be lost before we even start to our competition to the south,"* he wrote.

[Read it here.](#)



The Future Economy: Why Canada Must Increase Investment in Decarbonizing Its Chemistry Industry

In July, The Future Economy published an op-ed by **Bob Masterson** on Why Canada Must Increase Investment in Decarbonizing Its Chemistry Industry. In this op-ed, he outlined that state of the Canadian chemistry industry and the challenges and opportunities ahead to strengthen our economy and move to net zero carbon emissions. [Read it here.](#)





Christa Seaman

CIAC announces **Christa Seaman** as Vice-President, Plastics Division

May 4, CIAC was pleased to announce that **Christa Seaman** has been appointed to Vice-President, Plastics Division. After working closely with CIAC on numerous files over the years in her role as Director of Plastic Policy and Communications at Imperial, Christa joined the CIAC Plastics Division team in September 2021 as Director while on secondment from Imperial.



Peter Mirtchev

CIAC welcomes new Plastics Division Policy Manager, **Peter Mirtchev**

In August, CIAC welcomed new Policy Manager for Plastics, **Peter Mirtchev**. Prior to joining CIAC, he worked for the Canadian Paint and Coatings Association on multiple regulatory files impacting industry such as Chemicals Management under CEPA, VOC emissions, and Extended Producer Responsibility.

NEW MEMBERS **The Plastics Division was pleased to welcome three members, one associate member and two transportation partners in 2023.**



The new members are **Aduro Clean Technologies**, **Hood Packaging** and **Midori-Bio**.

Based in Sarnia, Ontario, Aduro Clean Technologies is dedicated to sustainability and developing a circular economy for plastic. Headquartered in Burlington, Ontario and with 23 locations across North America, Hood Packaging is a leader in the packaging realm, producing innovative packaging products that service markets which include food services, lawn and garden, pet food, dairy, and construction. Midori-Bio is an operator of an environmental platform that offers various types of biodegradables as well as textile services and resources.



New associate member ARMA (Alberta Recycling Management Authority) manages the recycling of electronics, paint, tires, and used oil and materials in Alberta, and is the administration and oversight authority for EPR.



Ray-Mont Logistics and **CN Rail** also joined as **transportation partners**. Ray-Mont provides terminal logistics for loading, storage, packaging and local or international freight forwarding and container cargo. The Canadian National Railway Company (CN Rail) is a Canadian Class I freight railway headquartered in Montreal, Quebec, which serves Canada and the Midwestern and Southern U.S.

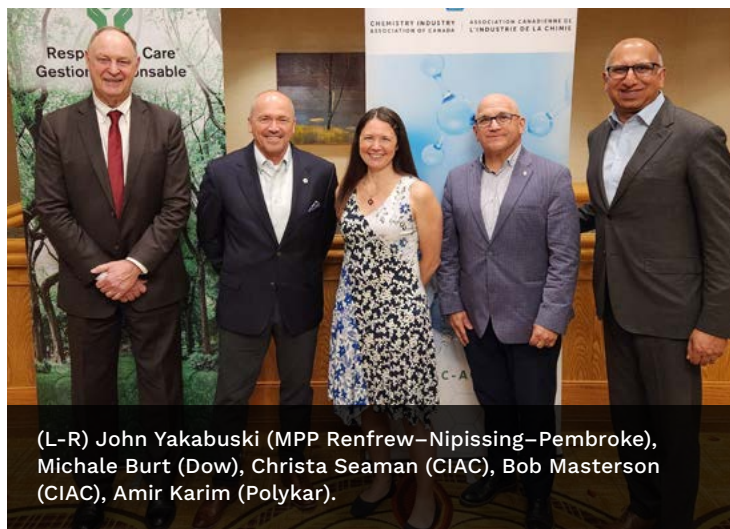
New Chair and Vice-Chair appointed to CIAC Plastics Division Leadership Council

At its annual leadership meeting on May 31, CIAC's Plastics Division welcomed its new Chair of the Plastics Division Leadership Council (PDLC), **Michael Burt**, Vice-President and Global Director, Climate and Energy, Dow Chemical Canada, and **Amir Karim**, President, Polykar, as Vice-Chair. Mr. Karim will also be serving on the CIAC Board of Directors as a Plastics Division representative.

Just before the leadership meeting, Ontario MPP **John Yakabuski** (Renfrew-Nipissing-Pembroke) met with CIAC's Plastics Division Leadership Council. He spoke on the Ontario government's improvements to the blue box recycling program including moving to an extended producer responsibility system and the government's support for innovative technologies such as advanced recycling.



Michael Burt

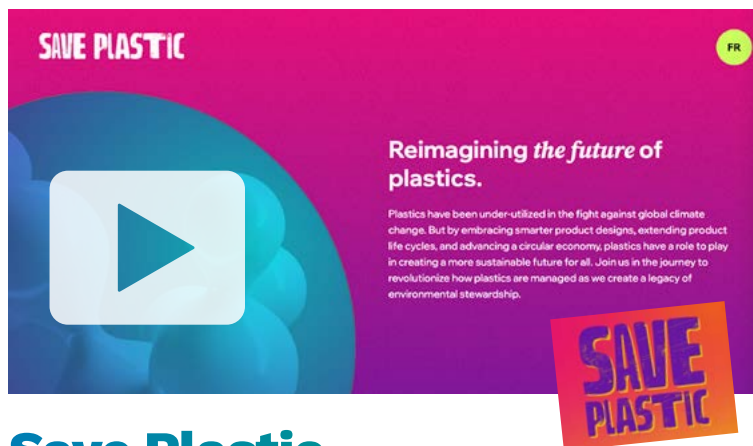


(L-R) John Yakabuski (MPP Renfrew-Nipissing-Pembroke), Michale Burt (Dow), Christa Seaman (CIAC), Bob Masterson (CIAC), Amir Karim (Polykar).



Bob Masterson on No Nonsense with Pamela Wallin podcast

On February 15, **Bob Masterson** chatted with Senator **Pamela Wallin** on her podcast No Nonsense with Pamela Wallin. They discussed the new federal single use plastics regulations (or bans), their logistics, how it is affecting Canada's plastics makers and the way forward for reducing plastics in our landfills. [Listen to the podcast](#) on YouTube or on your favourite podcast app.



Save Plastic

Carrying on from the work done in 2022, CIAC's Plastic Division continued its public-focused campaign, Save Plastic, to increase the public's awareness about the role plastics play in enabling a modern way of life and in achieving Canada's net zero emissions goals and to highlight the new technology being advanced by Canadian companies to ensure plastics are used as a resource through advanced recycling and not as waste at the end of their life. In 2023, the Save Plastics campaign launched a new site and gained many new followers on its social media channels such as [LinkedIn](#), [Instagram](#), [X](#) and [TikTok](#).



Canadian Environmental Protection Act (CEPA) 2023 receives Royal Ascent

After over two decades, years of study by Parliamentary Committees, and input from countless stakeholders across industry, civil society organizations, government, and academia, CIAC was pleased to welcome the Canadian Environmental Protection Act (CEPA) 2023 into law on June 14.

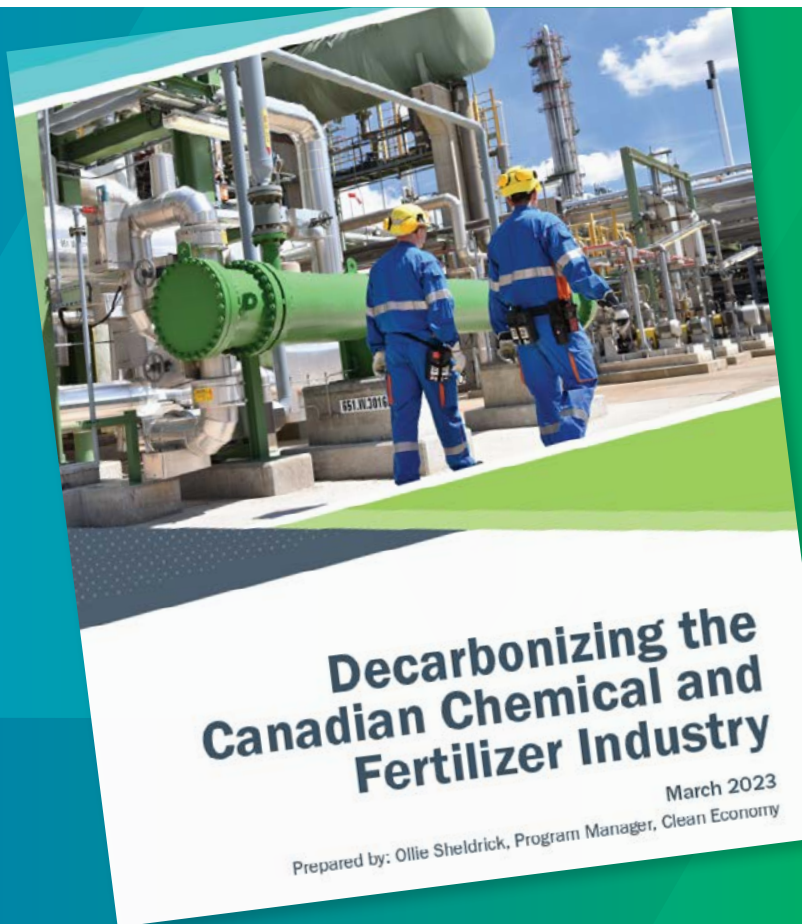
Importantly, Bill S-5 introduces a legislative recognition of the right to a healthy environment in the preamble of the Act, in keeping with CIAC's own U.N.-recognized Responsible Care® ESG initiative.

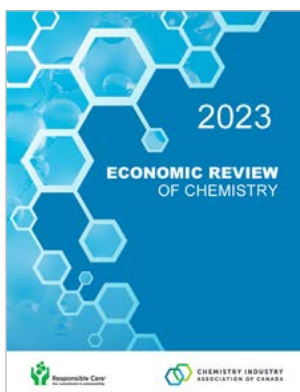
CLIMATE CHANGE

Decarbonizing the Canadian Chemical and Fertilizer Industry

In March, CIAC was proud to contribute to an important report, Decarbonizing the Canadian Chemical and Fertilizer Industry from Clean Energy Canada. The report explores how chemical products have a key role in many low-carbon technologies used today and decarbonizing Canada's chemicals and fertilizer sector will be crucial to meeting our national emissions targets.

[Read it here.](#)





Economic Review of Chemistry 2022

In June, CIAC released its Economic Review of Chemistry for 2022, which provides a statistical review of various key industry indicators including shipments, imports, exports, and employment. The report also includes a section on specialty chemicals, statistics for the key provinces of Quebec, Ontario and Alberta, and for the segments of the industry of primary interest to CIAC members. [Read it here.](#)



2023 Economic Outlook for Industrial Chemicals

In February, CIAC released the 2023 Economic Outlook for Industrial Chemicals, which highlights annual statistics data for Canada's chemical manufacturing industry and possible headwinds and tailwinds for the coming year. The report explores local investment policy changes and macro-economic conditions facing the sector that could affect production and sales.

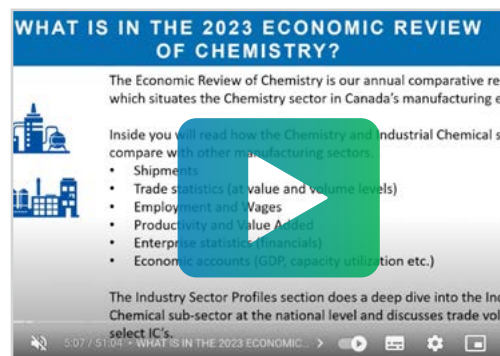
[Read it here.](#)

WEBINARS



A Roadmap for Decarbonizing Canada's Chemistry Sector

May 24 CIAC and Clean Energy Canada hosted a webinar entitled A Roadmap for Decarbonizing Canada's Chemistry Sector. **Michael Burt**, VP and Global Director, Climate and Energy, Dow Chemical Canada and **Sarah Marshall**, VP Sustainability, NOVA Chemicals joined **Oliver Sheldrick**, Program Manager, Clean Energy Canada and **Bob Masterson** from CIAC for an in-depth discussion about the opportunities and challenges to decarbonize Canada's chemistry sector in line with 2030 and 2050 commitments by industry and governments. [Watch it here.](#)



The State of the Canadian Chemistry Sector

June 22, **Dave Cherniak**, CIAC's Policy Manager, Business and Economics hosted a webinar on the State of the Canadian Chemistry Sector. Dave discussed the 2023 Economic Review, the performance of the sector so far in 2023 and a forecast of what we can expect in the second half of the year. [Watch the recording here.](#)

TRANSPORTATION

The new **TRANSCAER®** Safety Train

This year, the TRANSCAER team was pleased to share that construction of the new TRANSCAER Safety Train is now underway. Construction began in July and the team is making great progress. Upon completion, the new training tank car will embark on a cross-country tour, making stops in communities where dangerous goods travel, raising awareness about rail safety and

emergency response for transportation incidents involving dangerous goods.

This project has been made possible with funding received under Transport Canada's Rail Safety Improvement Program and the generous donations of CIAC members and partners and industry stakeholders.



TRANSCAER SAFETY TRAIN PROJECT DONORS



Op-ed in Hill Times: Improving rail safety — a journey that never ends

April 12, the Hill Times published an op-ed by **Bob Masterson** on the significance of rail safety for the chemistry industry and highlights the importance of collaboration between industry, government, and communities to ensure that safety is always the top priority. He also shared the many safety initiatives implemented over the years and ongoing efforts to improve.



Measuring our progress toward UN SDG 3 and 9

CIAC launched the new Transportation Incident Measurement System (TIMS) reporting requirement for CIAC members and received the first set of data in 2023. Fundamental to Responsible Care is a commitment to transparency and continuous improvement. TIMS is intended to track and measure members' progress toward achieving a reduction in incidents over time. This will also ensure CIAC is able to meet its reporting commitments to the International Council of Chemical Associations (ICCA), better link to the UN SDGs, and help tell our story credibly to key stakeholders.

Outreach events

The TRANSCAER team hosted its first event of the year in Exshaw, Alberta. The event was very well attended, including **36 firefighters from Municipal District of Big Horn Emergency Services**. Sixteen presenters led various classroom sessions and hands-on learning opportunities. Participants also tried out the virtual reality headsets and shared positive feedback after using these unique tools.

The TRANSCAER team was pleased to attend the BC Fire Training Officers Association Annual Conference and Trade Show in May where our virtual reality headsets were on display and participants enjoyed using the virtual tools to learn more about rail safety.

In August 2023, GATX hosted a TRANSCAER event at their railyard in Red Deer, Alberta. This event featured their training railcar and had a great turnout of 48 students. There was a diverse group of instructors that either presented sessions in the classroom focusing on safe transportation of dangerous goods or showed their companies' equipment and capabilities.



EVENTS

➤ Below are a **sampling of some of the events** CIAC attended and participated in in 2023.



Alberta Circular Plastics Day

CIAC was pleased to take part in Alberta Circular Plastics Day 2023 on March 15. CIAC Plastics Division had a booth at the event and handed out rolls of Canadian-made compostable kitchen bags made by CIAC PD member Polykar. **Christa Seaman**, Vice-President of CIAC's Plastics Division, moderated a panel titled Barriers to a Circular Economy – Detours and Potholes.

Photo: Christa Seaman (CIAC) and Sanket Das. (CIAC).

PetroChem Canada-West



March 29-30, CIAC Director of Government and Stakeholder Relations for Western Canada, **Kai Horsfield**, spoke on Developing Canada's Petrochemical Industry: Prosperity in the Context of Sustainability at PetroChem Canada-West in Calgary. This event brings together the western Canadian

petrochemical, chemical, and emerging biochemical manufacturers together with their supply chain and multiple levels of government to discuss the opportunities to expand and further develop a sustainable downstream sector in Alberta.

Canadian Petrochemical Summit in Kananaskis

June 6-8, CIAC was pleased to lead several discussions and sponsor the Canadian Petrochemical Summit in Kananaskis, Alberta. The sold-out event explored current issues and trends affecting the petrochemical and chemical sectors.



CIAC Director of Government and Stakeholder Relations for Western Canada, Kai Horsfeld and Tim Wong of Alberta Energy at the CIAC booth.



CIAC President and CEO, Bob Masterson, spoke on Improving Canadian Competitiveness: An Overview of Government Supports in the Petrochemical Sector with Thomas Baker from Boston Consulting Group.



CIAC Vice-President of Plastics Christa Seaman held a presentation on Navigating extended producer responsibility.



Pollution Probe Gala

CIAC was a silver sponsor for Pollution Probe's November 23 annual conference and gala titled, Right Here, Right Now: Readiness for a Clean Economy. **Bob Masterson** participated on a panel discussing plastics circularity. The event included discussions reflecting upon environmental achievements while acknowledging the challenges we continue to face. Attendees explored solutions to ensure readiness and seize this opportunity for collaborative, cross-sectoral engagement.



FlexPackCon®

The Society of Plastics Engineers (SPE) hosted FlexPackCon® 2023 in Montreal on October 10-12, a conference on the latest developments in flexible packaging. CIAC's **Policy Manager for Plastics, Peter Mirtchev**, spoke to attendees on the future of flexible packaging regulations and how they will impact circularity efforts in industry.

AWARDS



L-R: Jeff Stevens (CIAC), Bob Masterson (CIAC), Ran Xu (DuPont), Gustavo Parra (Methanex), Apala Mukherjee (BASF), Brad Apking (Methanex), Catherine Clark, Anthony Pasteris (Minerva), Peter Noble.

THE INAUGURAL 2022 RESPONSIBLE CARE AWARDS

CIAC was pleased to announce the winners of the inaugural 2022 Responsible Care® Awards at a special ceremony in Ottawa on October 17. CIAC launched seven new Responsible Care awards to recognize companies and individuals that exemplify leadership and outstanding performance based on the implementation and execution of Responsible Care over the past year. The 2022 award recipients:

Operations Award:



Stewardship Award:



Accountability Award:



Company of the Year Award:



Jean Bélanger Award:

Peter Noble

Women in Chemistry Award:



Excellence in Partnership Award:



CIAC officially a **Great Place to Work®** certified for the third year

This certification was granted after a thorough, independent analysis conducted by Great Place to Work Institute® Canada, based on direct feedback from employees, provided as part of an extensive and anonymous survey about their workplace experience. Great Place to Work is the global authority on high-trust, high-performance workplace cultures. Through proprietary assessment tools, advisory services, and certification programs, Great Place to Work recognizes Canada's Best Workplaces in a series of national lists including those published by The Globe & Mail (Canada) and Fortune magazine (USA). Great Place to Work provides the benchmarks, framework, and expertise needed to create, sustain, and recognize outstanding workplace cultures.





(L-R) Kristina Adler (CIAC), Randy Mak (retired, Dow), Curtis Myson (RAC), Tyler Yates (GATX), and Scott Legge (NOVA).

TRANSCAER® Awards

TRANSCAER Award recipients are recognized for their demonstrated exceptional dedication to the program in one of three award categories: distinguished service, national achievement, and regional achievement.

Here are the 2022 winners:

Andy Ash	Retired, Director of Dangerous Goods, Railway Association of Canada (Distinguished Service award)
Tyler Yates	EHS Manager, GATX (regional Service Award)
Randy Mak	Retired, Dow Chemical (National Service Award)
Curtis Myson	Dangerous Goods Specialist, Railway Association of Canada (Regional Service Award)
Steven Santelli	Senior Dangerous Goods Officer, CN (Regional Service Award)
Jon Gardinder	Hazardous Materials & Emergency Response Officer, CPKC (Regional Service Award)
Tom Bozyk	Hazardous Materials Technician, BNSF (Regional Service Award)
Dan Moore	Retired, Chemical Specialist/HazMat Responder (Regional Service Award)
Doug Kittle	Retired BC Region TRANSCAER Coordinator (Regional Service Award)



For more information, visit
TRANSCAER.ca

2023 MEMBERS

CIAC Chemistry Members as at December 31 2023

Air Liquide
3M Canada Company
Arkema Canada Inc.
ARLANXEO Canada Inc.
BASF Canada Inc.
Cabot Canada Ltd.
CCC Sulphur Products
The Chemours Company
Chemtrade Logistics
Diamond Petrochemicals Canada Corporation
Dow Chemical Canada ULC
DuPont Canada
ERCO Worlwide LP
Evonik Canada Inc.
Evonik Oil Additives Canada
Imperil Oil Chemicals
INEOS Canada Partnership
INEOS Styrolution Canada Ltd.
Innovation DIC Chimitroniques Inc.
Inter Pipeline Ltd.
Jungbunzlauer Canada Inc.
KRONOS Canada, Inc.
LANXESS Canada Co./Cie
Linde Services Canada Inc.
MEGlobal Canada ULC
Methanex Corporation
National Silicates
NorFalco Sales, GLENCORE Canada Corporation
NOVA Chemicals Corporation
Origin Materials Canada
Porocel of Canada, Ltd.

Procter & Gamble Inc.
Shell Chemicals Canada
Solvay Canada Inc.
Stepan Canada Sales Inc.
United Initiators Canada Ltd.
Wanhua Chemical (American) Co., Ltd.
WR Grace Canada Corp.

CIAC Responsible Care Partners

Canadian National
CPKC
GATX Rail Canada
Northwest Tank Lines Inc.
PROCOR Limited
Trimac Transportation

CIAC Associate Members

Busch Vacuum Technics Inc.
ERM Consultants Canada Ltd.
Hexagon PPM
Northern Alberta Institute of Technology
Spartan Controls
Wood Group

CIAC Plastics Division Members

3M
Absolute Haitian Corp.
Aduro Clean Technologies
Ampacet Canada
Applied Plastics Inc.
Balcan Plastics

BASF Canada Inc.
Bekum America Corp.
Berry Global
CCC Plastics
CKF Inc.
Colortech
Dow Chemical Company
Dupont Canada
Dyneapak Inc.
Eligant Plastics
Farnell Packaging Ltd.
Genpak
GreenMantra Technologies
Hood Packaging Corp.
Husky Technologies
Imperial Oil Chemicals
INEOS
Inter Pipeline
IPEX Inc.
Keurig Canada
Kongsilde Industries
Layfield Group Ltd.
Loop Industries
Macro Engineering
Malpack Ltd.
Mauser Packaging Solutions
Merlin Plastics
Midori-Bio
Modix
Nexeo Plastics
Norwich Plastics

Nova Chemicals
Owens Corning
Procter & Gamble Inc.
Packall Packaging
Peel Plastics
Polytainers Inc.
PolyExpert Inc.
Polykar Inc.
Polystar Inc.
Polytarp Products
Pyrowave
Shell Polymers
Tempo Plastics
Transcontinental
Wentworth Technologies
Winpak Ltd.

CIAC Plastics Division Associate Members

Alberta Recycling Management Authority
(ARMA)
Clean Farms Inc.
Enviropod Canada
Oasis Alignment

CIAC Plastics Division Transportation Partners

CP Rail
CN Rail
Ray-Mont Logistics
Transcare Corp.



**CHEMISTRY INDUSTRY
ASSOCIATION OF CANADA**

GENERAL INQUIRIES:

45 O'Connor Street, Suite 1240
Ottawa, ON K1P 1A4
Tel: (613) 237-6215
info@canadianchemistry.ca

MEDIA INQUIRIES:

Julie Fortier, *Director, Communications*
jfortier@canadianchemistry.ca

MEMBERSHIP INQUIRIES:

Bob Masterson, *President and CEO*
membership@canadianchemistry.ca



Responsible Care®
Our commitment to sustainability.