2020 YEAR IN REVIEW

Good Chemistry: Building a vibrant and trusted Canadian chemistry and plastics industry



CHEMISTRY INDUSTRY ASSOCIATION OF CANADA

MESSAGE FROM THE PRESIDENT AND CEO

Well, 2020 was quite a year, and it has left an indelible mark on CIAC, and the Canadian chemistry and plastics industry. The year began where 2019 left off — with continued disruptions to the rail freight network. CIAC engaged national media to draw attention to the important public safety role played by the industry's products, and focused attention on how best to bring the disruptions to a close.

March saw us facing an unprecedented challenge with the spread of COVID-19 across Canada, and the world. Nevertheless, our staff seamlessly shifted to working from home and supported members as they strived to remain operational and deliver their essential products in the earliest days of the pandemic.

Despite the challenges posed by the pandemic, on July 1, CIAC completed the transaction which saw the members of the Canadian Plastics Industry Association join CIAC in a newly formed Plastics Division. By year end, the new team was in place, the initial implementation phase was complete, and a formal governance system was up and running. This transaction came together as the Government of Canada proceeded, at a breakneck pace, to regulate and ban some manufactured plastics products. While that process remains underway, CIAC and its Plastics Division members can take pride in knowing that our engagement involved the largest and broadest public and government relations efforts CIAC had ever undertaken.



Many thanks to everyone involved in bringing both organizations together: staff and board members from both organizations, third party facilitators and legal council. I would like to extend a special thanks to the industry leaders who had the vision that this was the right thing to do, a positive for the industry and saw it through to completion. The Plastics Division had to hit the ground running, but all indications are that we are emerging as a more collaborative industry and a stronger voice for the sector.

And in the spirit of collaboration and creating stronger voices, as part of CIAC's strategic planning process, the Board of Directors instructed staff to initiate a process to formally integrate commitments to diversity and inclusion into our UN-recognized Responsible Care® Codes. This work builds on our new commitments for Canada's leading chemical companies to engage Indigenous communities through proactive and formal processes, which were published in our new Responsible Care handbook in late 2019.

A very welcome win came just before the December holiday break, when the government announced it was going to drop plans to impose a Clean Fuel Standard on gaseous industrial fuels. This was an enormous success for CIAC and came after two long years of hard work by staff and members. A great win to close out the year.

Throughout 2020, we placed emphasis on our longstanding relationships with the American Chemistry Council, its Plastics Division and the US Plastics Industry Association, each under new leadership. We are pleased to see these relationships getting stronger, and look forward to future collaboration. CIAC worked hard to ensure policy makers retained focus on what is needed for Canada's economic recovery and the urgent need to improve investment conditions in Canada. As a result, the Alberta Petrochemical Incentive Program should be a real game changer. CIAC was also able to exercise significant influence in Quebec and its investment plans, and on eliminating ineffective and costly regulatory burdens in Ontario.

The year 2020 proved that adversity breeds strength and innovation. Be assured that CIAC will continue to represent its members and the industry's interests for the challenges – the known and the unexpected – that lie ahead.

Sincerely,

Bob Masterson | President and CEO Chemistry Industry Association of Canada

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[®], 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.



Outcomes for

at a glance...

- Launched new Plastics Division, the leading national voice for the Canadian plastics industry
- Secured essential manufacturing designations for chemistry and plastics supporting health and safety during the COVID-19 pandemic
- A key contributor to the design and release of the Alberta Petrochemicals Incentive Program which aims to attract more than \$20 billion in new chemistry investment to the province
- Secured elimination of industrial solid and gaseous fuel from the federal Clean Fuel Standard
- Engaged with the Alberta government in the development of its Natural Gas Vision and Strategy, which included Alberta's first commitments to working with industry to develop a circular economy for plastics in the province

Continued to work closely with the government of Ontario to address the province's regulatory burden

- Published new Responsible Care[®] Code elements for Indigenous communities and hosted explanatory webinars to members
- Welcomed new members Nauticol Energy and Melloy Industrial Services
- Secured approval from Transport Canada's Rail Safety Improvement program for TRANSCAER[®] virtual reality tools and a new Safety Train

CHEMISTRY STEPS UP TO HELP CANADIANS FIGHT THE COVID-19 PANDEMIC

In a crisis like the global COVID-19 pandemic, lives are disrupted and we all must come together to work through the emergency to rebuild once it is over. The chemistry and plastics sectors were recognized by the provincial and federal governments as among the essential industries needed to support Canadians, while ensuring people get the products, food, and services to keep everyday life moving until the crisis is overcome.

Chemicals and plastics made by CIAC members are necessary to treat and protect patients and front-line workers by ensuring safe, sanitary conditions with disinfectants and hand sanitizer, plastic masks, gloves and medical equipment.

Rapid Response Platform

Led by BASF Canada and Trimac – both CIAC members – the chemistry sector supported the development of the Rapid Response Platform to match personal protective equipment made by companies with those who need it. In its first week of operation alone, **more than 8,000 personal protective equipment matches were successfully completed through the platform.**



CIAC presents to the Standing Committee on Finance on COVID-19

On May 26, Bob Masterson spoke virtually to the federal government's Finance Committee on how Canada's chemistry and plastics sectors are essential to protecting Canadians — including frontline workers — from the transmission of COVID-19. In his statement, Masterson explained how CIAC members quickly reconfigured value chains and production activities to assist in the pandemic response, citing Shell Canada, BASF Canada and Proctor & Gamble who all reconfigured operations to make hundreds of thousands of litres of hand sanitizer, which were donated.

Then on December 7, Masterson spoke once more to the Finance Committee to focus on the future and how investment attraction in the chemistry and plastics industries are vital to ensuring a robust and timely economic recovery. "We know that Canada's chemistry and plastics investments will make our economy more resilient, more innovative and provide the critical building blocks of the low-carbon economy. And we know there is a huge opportunity to provide the building blocks





for a truly circular economy for plastic waste. Our recommendations today reflect these opportunities," Masterson told the Committee.

Masterson also spoke on how the sector will contribute to Canada's economic recovery, as over \$7 billion of capital investment in the sector remains underway and is scheduled to come into production in late 2021 and early 2022.

Task Force for Real Jobs, Real Recovery

In August, the Task Force for Real Jobs, Real Recovery issued a comprehensive report and recommendations related to the role of natural resources in Canada's economic recovery post-COVID. CIAC is a sponsor of this initiative along with a broad cross section of organizations and associations involved in the resource sector in Canada. Building off CIAC's previous work related to Circular Economy for Plastics and 2021 Federal Pre-Budget Submission, our messages around economic recovery and plastics innovation are strongly represented in this report. "Chemistry relies on the resource sector to supply the materials needed to produce countless essential products—including PPE and sanitizer to limit transmission of COVID-19. Canada's economy needs more resource sector investment and jobs, Canada's economy needs more chemistry investment and jobs."

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

Visit the website, realrecovery.ca



LEADING THE WAY FOR A NEW CIRCULAR ECONOMY FOR PLASTICS



Read our news release

CIAC launches new Plastics Division and welcomes new VP

In February, CIAC and the Canadian Plastics Industry Association (CPIA) agreed to a transaction for the dissolution of the CPIA, creating a new Plastics Division under the CIAC banner. The decision followed an extensive due diligence process that determined the CIAC and CPIA have complementary strengths and committed members, but that the challenges for plastics require even greater collaboration.

In August, CIAC welcomed **Elena Mantagaris** as the new vice president who will lead the association's Plastics Division. Mantagaris has more than 20 years of experience working with federal and provincial governments, along with municipalities and Indigenous communities, to advance large-scale national initiatives in the iron, energy, transportation, technology, and cultural sectors.

CIAC joins Operation Clean Sweep[®] for plastic stewardship

CIAC's Plastics Division officially joined the American Chemistry Council (ACC) and 30 other international trade associations in **Operation Clean Sweep** (OCS) in October. OCS is an international stewardship program of the Plastics Industry Association and the ACC's Plastics Division, designed to prevent resin pellet, flake and powder loss and help keep this material out of the marine environment. CIAC members will also participate in Operation Clean Sweep Blue, an enhanced OCS program, which provides greater reporting and stronger metrics on practices related to plastic resin loss.

Read our announcement 😫



Launching the GettingPlasticsRight.ca site

Beginning in the summer of 2020, CIAC began the development of a comprehensive media and advocacy campaign, "Getting Plastics Right," to address the federal government's intentions to list plastics as toxic under the Canadian Environmental Protection Act and ban some single-use

Plastics enable our modern way of life, and we're committed to working towards a world where plastic never becomes waste.

plastic items. With the support of members

and other stakeholders, the association led and managed the campaign that included: extensive media exposure with more than a dozen op-eds placed in major media outlets across the country; a comprehensive website that allows people to advocate for a better approach to managing plastics; and both grassroot and paid social media campaigns to reach as large of an audience as possible.

Read our

news release

GLOBE 2020

In Vancouver, February 10-13, with the help of our members and partners BASF Canada, NOVA Chemicals, Pyrowave, Inter Pipeline, Dow Canada, and the Alliance to End Plastic Waste, CIAC sponsored the GLOBE 2020, North America's largest and longest-running sustainable business summit. BASF Canada, Alberta Recycling Council, NOVA Chemicals and Pyrowave participated on a panel to discuss Building a Circular Economy for Plastics and CIAC coordinated a round table discussion on developing tangible ideas on building markets to enable a circular economy for plastics. At the innovation showcase, six of our members and partners demonstrated projects, technologies, and initiatives on the same topic.







Working with the Ontario Government to modernize the Blue Box Program

After numerous engagements and consultations with the Ontario government, CIAC was pleased to see the announcement in October to make a stronger, more effective Blue Box Program in the province.

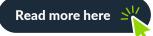
Showing leadership that will help reduce the amount of waste entering the environment, **the plan will focus on recapturing, recycling, and recovering waste so it can be used as a resource.** CIAC and its members also support implementing full extended producer responsibility (EPR) in Ontario, which transitions costs away from municipal taxpayers by making the producers of products and packaging fully responsible for costs and management of recycling systems.

CIAC is also pleased to see the province commit to further engagement to support a strong circular economy through the use of innovative technologies and processes such as advanced recycling and energy recovery technologies to help ensure valuable resources such as hard-to-recycle plastics can have a beneficial use, such as feedstocks for new plastics and synthetic fuels.



CIAC responds to Federal Government's proposed management approach to plastic products

In October, the federal government announced its plan to move forward with banning some single-use plastic products by labelling them toxic to the environment. **CIAC remains firmly of the view that the Canadian Environmental Protection Act (CEPA), 1999 is not an appropriate tool for managing post-consumer plastic** and completed three submissions objecting to the proposed federal approach.



Québec - Bill 65

The Québec Ministry of Environment has tabled **Bill 65** to both **expand the province's depositreturn system and modernize the Blue Box system**. The bill would enable the Government to regulate the development, implementation, and financing of a collection and deposit-return system and mandate a producer-responsibility organization to take on the responsibility of operating the system. CIAC provided a response in coordination with the Conseil Patronal de l'Environnement du Québec.

RESPONSIBLE CARE[®]

Responsible Care report goes digital

This year, CIAC took a different approach to the **Responsible Care report**, **Delivering on Our Commitments**, publishing it through an interactive web content platform. The report highlights accomplishments and Responsible Care success stories from our membership in 2018 and 2019, as well as the latest environment and safety performance metrics that are collected by the association. Data from the National Emissions Reduction Masterplan (NERM), the Safety and Health Analysis, Recognition, and Exchange (SHARE), and the Process-Related Incident Measures (PRIM) showcase where the chemistry industry has improved over the years and where there is still room for improvement. This new digital platform has not only

Delivering on our Commitments



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allowed CIAC to modernize our reporting style and create a more interactive experience, but it has also allowed us to go paperless and follow the spirit of our Responsible Care ethic and principles.

CIAC announces Shannon Watt as new VP for Sustainability



In March, CIAC announced Shannon Watt as Vice President of Sustainability. She leads the Association's globally recognized corporate sustainability initiative, Responsible Care[®]. Watt oversees the chemistry sector's Responsible

Care commitments as well as the Association's environment and health policy advocacy, and internal corporate sustainability initiatives.

2020 Webinar series

Before Zoom meetings were de rigueur for 2020, CIAC launched its webinar series early in the new year. Topics throughout 2020 included:

- Responsible Care verification process for 2020–2022: Understanding Your Options and Obligations;
- BASF Canada's Approach to COVID19;
- Project STOP: Frontline Progress on the Ocean Plastic Challenge; and
- TRANSCAER[®] Safety Train: Tour the CCPX 911 Tank Car and Explore the New Virtual Reality Tools

Responsible Care Indigenous codes

CIAC updated its United Nations-recognized **Responsible Care Codes** in a new handbook for 2020 to include new commitments for Canada's leading chemical companies to engage with Indigenous communities through proactive and formal processes. Responsible Care commitments require CIAC member companies to:

- Engage with Indigenous people in a manner that respects their unique history, culture and rights;
- Provide appropriate supports to ensure Indigenous communities have the capacity to engage the company in a meaningful manner; and
- Provide Indigenous communities with equitable access to employment, contracting and business opportunities.

RESPONSIBLE CARE® COMMITMENTS Chemistry Industry Association of Canada

INVESTMENT AND COMPETITIVENESS ADVOCACY

CIAC Holds Virtual Hill Day

On October 20, CIAC held its annual Hill Day virtually due to limitations surrounding the COVID-19 pandemic.



This event brought CIAC staff and members together with Members of Parliament and other stakeholders to advocate on key files and issues. **This year Hill Day focused on the essential role that chemistry and plastics will play in Canada's post-pandemic economic recovery.** We highlighted a number of opportunities related to potential investment and our desire to work with government and officials to address some of the headwinds. Despite not being able to gather face-to-face, CIAC representatives and members were able to have fruitful meetings with over 20 MPs and officials.

Québec launches industrial Innovation Zones

CIAC and its Québec-based members have been actively engaged in the effort to designate the Bécancour Industrial Park near Trois Rivières, Québec, as one of five new Innovation Zones to be launched by the Québec government in 2021. Bécancour was identified as a "logical choice" to create a carbon neutral innovation zone because of the presence of a large industrial park, a port and energy production (electricity, hydrogen and renewable natural gas). The Innovation Zones will facilitate applied research projects between large companies and start-ups, with the goal of creating a better qualified workforce in Québec.

Alberta invests in petrochemicals



In July, CIAC was pleased to support the Government of Alberta's Alberta Petrochemical Incentive Program (APIP)

that will attract a surge of global-scale, multibillion-dollar investments in the province's petrochemical sector, while creating jobs and leading the economy forward. Alberta has a chance to diversify and build its economy on petrochemicals, a sector that has been resilient throughout the COVID-19 pandemic and is poised to see sustained demand continue for the foreseeable future.

CIAC was one of several associations that worked closely with the Alberta Government to finalize APIP program guidelines released in October. Building on the strong chemical manufacturing focus within the recently unveiled Natural Gas Vision and Strategy, APIP will help level the investment competitiveness playing field and support new global scale investments in the province's low-carbon natural gas-based petrochemical sector.

CIAC presents to House of Commons Standing Committee on International Trade

On February 24, CIAC Executive Vice-President Isabelle Des Chênes and Senior Policy Analyst David Cherniak presented to the House of Commons Standing Committee on International Trade to voice the chemistry sector's support for the ratification of the Canada–United States–Mexico Agreement (CUSMA).

In the presentation, Des Chênes and Cherniak highlighted the importance of the chemistry industry for Canada's economy and the highly integrated nature of the chemistry sector in each country. As one of its final acts prior to the government suspending Parliament due to the pandemic, MPs from all parties voted to ratify the CUSMA on March 13.



Ontario Advocacy Day

On February 19 in Toronto, CIAC brought together more than 60 industry and government representatives to engage on important topics and issues facing the chemistry sector in the province, including developing a circular economy for plastics and investment in the petrochemical sector.

In attendance were Bob Bailey (MPP Sarnia-Lambton); Deepak Anand (MPP Mississauga-Malton); Rudy Cuzzetto, (MPP Mississauga-Lakeshore); Jim McDonell (MPP Stormont-Dundas-South Glengarry,Parliamentary Assistant, Municipal Affairs); Hon. Steve Clark (MPP Leeds-Grenville), Minister of Municipal Affairs and Housing; and Giles Gherson, Deputy Minister, Red Tape Reduction.

CIAC Board of Directors meeting

Following Ontario Chemistry Day 2020 was CIAC's February 20 Board of Directors Meeting. CIAC was delighted to host a special keynote address by the Hon. Vic Fedeli, Minister of Economic Development, Job Creation and Trade.



Pre-Budget Submission

Read our Submission here 😒

CIAC delivered its pre-budget submission to the federal government in August, providing effective, realistic recommendations aimed at rebuilding the Canadian economy quickly, and in a cooperative manner. The comprehensive paper outlines recommendations that ensure regulations stay in place to protect the health of Canadians and the environment while pushing for less red tape, research and development funding, and increased investment in chemistry and plastic industries which are essential to Canada and its economic recovery — providing a nearly \$80 billion to the Canadian economy in 2019. 2021 rederal PRE-BUDGET

> SUBMISSION TO anoma Committee on Finance AUGUST 2020

> > CHEMISTRY INDUSTRY

CLIMATE CHANGE

Giving industry a voice on the Clean Fuel Standard

After years of calling attention to the federal government's proposed Clean Fuel Standard (CFS), on December 11, CIAC was pleased to see the government listened to industries' challenges, stating its intention to eliminate industrial solid and gaseous fuels from the CFS.

In initial discussions, the CFS was to cover liquid, gaseous and solid fuels. In 2019, CIAC called attention to the CFS' proposed carbon pricing duplication, pointing out it would add an additional carbon price of over \$200 per tonne for the same molecule, effectively doubling the cost of natural gas for the industry. This would add millions of dollars of expenses on an industry that is already facing global competitiveness concerns. CIAC also stated strong concerns about its industry being captive to compliance costs passed on by others and without an ability to influence those costs. By stating its intention to eliminate industrial solid and gaseous fuels from the CFS, there is increased confidence in Canada's ability to attract investment into this important sector while simultaneously pursuing a low carbon economy.



Quebec's Cap-and-Trade Initiative

CIAC has advocated extensively over the last two years for changes to Québec's cap-and-trade system that would see revenues from free allocations sold at auction recycled back to industry to be applied to mitigation measures or development of technology that reduces overall emissions. In October 2020, Québec's National Assembly passed Bill 44, which amends numerous pieces of environmental legislation and strengthens the authorities of the *Ministère de l'Environnement et de la Lutte contre les changements climatiques* over revenue use from the cap-and-trade system including the ability to target these revenues for emissions reductions.

TRANSPORTATION

CIAC receives funding from Transport Canada to support railway safety across Canada

In January, CIAC was pleased to announce Transport Canada's Railway Safety Improvement Program (RSIP) will provide \$219,750 in financial support over three years to help CIAC improve railway safety and education in communities across Canada.

CIAC and its Transportation Community Awareness and Emergency Response initiative (TRANSCAER®) partners, including the Railway Association of Canada, successfully applied for funding to support three key activities that are focused on improving railway safety and training for people and communities along transportation routes.

The three key activities include:

- Construction of a new TRANSCAER Safety Train a railway tank car that will be converted into a classroom on wheels for the purpose of training emergency responders. The original Safety Train was retired in 2018.
- Development of advanced training tools, including virtual reality educational tools, that will allow state-of-the-art training and education in even the most remote communities.
- Delivering a Canada-wide series of training sessions for our target audiences using these new tools.

The enhanced educational tools and outreach efforts will focus on a variety of audiences in communities across the country, including first responders, community leaders, the general public, and Indigenous communities.





CIAC advocates for the industry in the face of rail blockades

The chemistry sector and all of Canada faced significant challenges in February as rail blockades and a Ministerial Order caused delays and for much of the CN Rail network to eventually be shut down. The blockades and delays were a major blow to CIAC members and the Canadian economy. CIAC staff worked diligently to advocate on behalf of members, encouraging federal and provincial governments to follow the rule of law and remove rail blockades throughout the country. The combined efforts of CIAC and other industry associations helped ensure the eventual removal of the blockades and having Transport Minister Marc Garneau curtail his Ministerial Order that significantly limited speeds of railcars carrying hazardous goods.

Throughout the rail disruptions, Bob Masterson was featured prominently, advocating for the industry in media such as CBC's Power and Politics, The National Post, The Globe and Mail and The New York Times.

Remembering David Podruzny, CIAC Vice-President, Business and Economics (retired)

On August 21, CIAC lost a long-time friend and colleague, **David Podruzny**. Dave passed away suddenly from cardiac arrest while out for an evening run in Edmonton. Following a career with the federal government, Dave embarked on a second career with CIAC in 1994, where he spent the next 24 years until retiring in December 2018. To say his passing was a shock to those who knew him — colleagues in both industry and government — would be a gross understatement. Following his retirement, he and his wife Faye left Ottawa to be closer to family, returning to their roots in Alberta, the ultimate place to be for a Canadian who loved the mountains and the adventures that they offered. A small graveside service was held on August 28.



AWARDS





Retired CIAC President Jean Bélanger, Honoured by the European Chemical Industry

On October 13, the man considered the godfather of Responsible Care, retired CIAC President Jean Bélanger, was honoured with a Lifetime Achievement Award by Cefic, the European Chemical Industry Council. In pre-recorded messages, Cefic Director General, Marco Mensink, presented the award to Jean.



CIAC's National Advisory Panel recognizes Francis Gillis

During CIAC's National Advisory Panel meeting held in October, Francis Gillis was recognized for his long-time support and management of the panel in partnership with our dear friend and long-time colleague, the late John Vincett. Both John and Francis had a strong belief in Responsible Care and the importance of facilitating dialogue between companies and communities to the benefit of both. We wish Francis well in his retirement.

2019 National TRANSCAER® Award Winners

Despite not being able to gather and celebrate in person, CIAC recognized and honoured the following winners of the 2019 TRANSCAER Awards for their dedication, hard work and achievements:

George Biggs, Senior Railcar Design Engineer – GATX Corporation (Regional Achievement)

Jeff Nee, Vice President, Environmental Health and Safety – GATX Corporation (Regional Achievement)

Jim Torres, Railcar Design Engineer – GATX Corporation (Regional Achievement)

Tyler Yates, EHS Manager – GATX Corporation (Regional Achievement)

Visit the website, transcaer.ca



Amber Rushton, Community Emergency Management Coordinator – Burlington Fire Department (Regional Achievement)



Jeff Stevens, Director Information Technology – CIAC (National Achievement)



Michael Heeringa, Dangerous Goods Officer – *CN* (*Regional Achievement*)



Jennifer Radbourne, Corporate Account Manager – GATX Corporation (Regional Achievement)



Carrie Maxim, Site Logistics Team Leader – NOVA Chemicals (Distinguished Service Award)



Cris Mitchell, Regional Quality Specialist – GATX Corporation (Regional Achievement award)



Chris Nicholson, Senior Dangerous Goods Officer – CN (Regional Achievement)



Ken Johnson, President – Ken Johnson Trucking (Regional Achievement)



Trina Kautzmann, Tank Trainer Scheduling Manager – GATX Corporation (Regional Achievement)



Dave Clarke, Instructor/Captain – Greater Toronto Airports Authority, Fire and Emergency Services Training Institute (FESTI) (Regional Achievement)

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* Denotes member of the CIAC Board of Directors ^ Denotes member of the CIAC Executive Committee

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