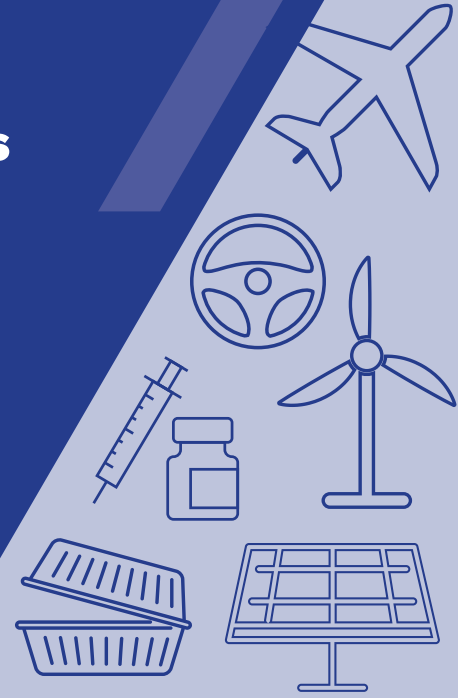


ALBERTA

A modern, sustainable economy depends on the chemistry and plastics sector

Chemistry and plastics help drive Alberta's modern, sustainable economy. More than 95% of all manufactured goods are directly touched by chemistry and plastics – **70,000+ products in total**. These products include food packaging, medicine, renewable energy, automotive parts, aerospace equipment and so much more.



The chemistry and plastics sector enables Alberta's social, economic, and environmental objectives, including:



Facilitating the net-zero emissions economy

Electric vehicles • Lightweight packaging • Sustainable buildings • Reducing food waste



Circular economy and recovering the value of plastics

The Alberta Advantage — Chemistry and plastics industry by the numbers:

Chemistry Manufacturing

\$16.8 Billion
in shipments



\$10.2 Billion
in exports



\$1.03 Billion
in wages



8,600
direct jobs



Plastics Manufacturing

\$1.8 Billion
in shipments

\$175 Million
in exports

\$364 Million
in wages

7,265
direct jobs

Economic Importance

2nd

In value of shipments behind food

1st

In value added of manufacturing

2nd

In value of exports of manufactured goods

Alberta Advantage



Abundant, low-cost domestic feedstock



Established and emerging clusters with key infrastructure



A talented and skilled labour force



Investment supports level the playing field with competing jurisdictions

#chemistrysolutions



CHEMISTRY INDUSTRY
ASSOCIATION OF CANADA

Chemistry and plastics supporting key industries throughout the province.



RESOURCE EXTRACTION AND PROCESSING

- Chemicals are used to process pulp and paper products in Alberta's forestry sector, turning trees into paper, tissues and newsprint.
- In the oil and gas sector, chemicals are used in conventional and unconventional extraction methods in raw oil and natural gas wells and in the oil sands.
- Plastics are not possible without basic chemical processes that create ethylene and propylene from raw feedstocks like methane, ethane and propane which are extracted in Alberta.
- Basic chemicals like linear alpha olefins are critical ingredients in finished plastic products, allowing a great range of densities, pliability and flexibility to be achieved.



LOW-CARBON AND RENEWABLE ENERGY

- Wind turbine blades and solar panels contain large amounts of chemicals and plastics. For example, one 17-ton turbine blade contains seven tons of plastic.



HYDROGEN

- Provincially and federally, hydrogen is expected to be an important decarbonization pathway and CIAC members are well placed to contribute supply given the link with chemical industrial processes.
- Hydrogen is produced as a primary product or as a by-product from chemistry production processes that can be used as fuel for heat, as a feedstock in chemical production or captured and used for other industrial processes.



BUILDING THE CONDITIONS TO ATTRACT INVESTMENT

- Maintain the sector as a priority within the province's strategy
- Match incentives implemented in other jurisdictions to attract investment
- Continue to modernize regulation, reduce compliance cost and duplication
- Encourage a circular economy for plastics
- Ensure science-based process that aligns with competing jurisdictions.