

ONTARIO

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

Ontario is Canada's most populous province and a major player in the chemistry and plastics sector. 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, automotive parts, aerospace equipment, renewable energy, clean water and so much more.



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



Facilitating the net-zero emissions economy

Electric vehicles • Light Weighting Autos
Sustainable buildings • Renewable energy



Circular economy and recovering the value of plastics

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

Chemistry Manufacturing

\$32.5 Billion
in shipments



\$27.3 Billion
in exports



\$4.23 Billion
in wages



45,000
direct jobs



Plastics Manufacturing

\$19.3 Billion
in shipments

\$10 Billion
in exports

\$2.8 Billion
in wages

43,130
direct jobs

Chemistry Economic

3rd

in value of shipments behind transportation equipment and Food

3rd

in value added of manufacturing output behind Food and Transportation equipment

2nd

in value of exports of manufactured goods behind transportation equipment

Ontario Advantage



Access to costcompetitive shale **gas production** in the northeastern U.S.



Established clusters with key infrastructure and **skilled labour**



New technologies for producing chemicals from **biomass**



Chemistry and plastics supporting key industries throughout the province.



MINING

- Chemistry enables more efficient mineral extraction, separation and processing that improve recovery and sustainability.
- Ontario is home to nickel, gold, zinc, lithium, cobalt and platinum metals as well as salt, gypsum, talc, calcium carbonate and other industrial metals.



FORESTRY

- Chemistries enable efficient and sustainable pulp processing, paper-making and finishing, and provide the foundation for evolving properties in pulp, paper and board products.



AUTOMOTIVE

- Chemistry and plastics critical material enabling auto industry to make safer, lighter, and more fuel-efficient vehicles that are better for the environment.
- On average, there are 30,000 parts in a vehicle and 1/3 of those are made of plastic from 40 different types of plastics and polymers.
- Ontario poised to be major design, manufacturing, and assembly hub for electric cars. Honda, Toyota, GM, Ford, Stellantis and Volkswagen are investing to build more electric vehicles and components in Ontario.



BUILT ENVIRONMENT

- Chemistry and plastics supply piping, barrier films, insulations, windows, doors, plumbing fixtures, and surface materials used in building construction
- Energy efficiency, need for low-emissions plastic products driving the renovation of Canada's \$4.53 trillion residential and non-residential building stock
- Supporting the growth of Ontario's construction sector and its workforce
- Supports Canada's thriving appliance manufacturing sector



BUILDING THE CONDITIONS TO ATTRACT INVESTMENT AND CREATE JOBS

- Maintain the chemistry sector as a priority within the province's economic development strategy.
- Position Ontario as a leader in the circular economy and recovering the value of plastics.
- Recognize the sector's role in enabling a low carbon economy and ensure carbon pricing adhere to principles of consistency, stability and predictability.
- Recognize Responsible Care® as a model ESG programs for the effective stewardship, community engagement and the safe handling, storage and transportation of chemistry products