

# CHEMISTRY

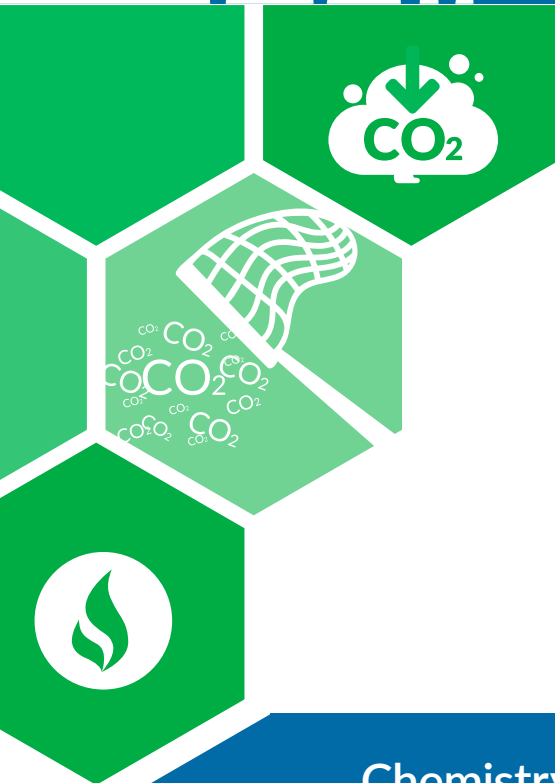
# ESSENTIAL TO CANADA'S TRANSITION TO A LOW-CARBON ENERGY FUTURE



## THE CANADIAN LOW-CARBON ADVANTAGE

Canada's chemistry industry is a world leader in low-intensity carbon chemical production. This is due to Canada's abundant low-carbon resources: natural gas and natural gas liquids, hydroelectricity and biomass.

Canada's chemistry products are **80% less GHG-intensive** than those produced in much of the world's markets, which rely on crude oil as their feedstock.



As a result of significant investment, Canada's chemistry industry **has reduced its overall greenhouse gas emissions by 67%** since 1992 by:

- > Converting to natural gas liquids to eliminate more carbon intensive feedstocks like coal and oil
- > Investing in innovative technology and introducing process changes that reduces emissions
- > Capturing carbon emissions with greater efficiency
- > Reducing electricity consumption through energy efficiency projects

## Chemistry products reduce GHG emissions in the everyday lives of Canadians:



**Greener buildings:**  
insulation, lighting and reflective roofs



**Sustainable transportation:**  
lightweight plastics and fuel additives to improve fuel efficiency, more efficient batteries



**Clean energy:**  
solar panels, wind turbines



**Sustainable agriculture:**  
chemical fertilizers improving crop yield, improved food packaging to reduce food waste



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