

# Petrochemicals

To meet growing global demand for petrochemical products, Alberta's well-established petrochemical industry capitalizes on low-cost feedstocks and an efficient transportation network. Coupled with incremental market access and incentives, the province's expertise and competitive business environment have given the industry momentum.

Innovators are leveraging the province's leadership in carbon capture and sequestration to create low-carbon and net-zero products and position Alberta as a global supplier of clean, responsibly source petrochemical products.



## The Numbers



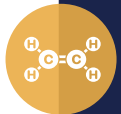
**\$40B**

Current investment in Alberta's Industrial Heartland, Canada's largest hydrocarbon processing region



**2.4/Mt**

Industrial hydrogen production



**8.6B lbs.**

Ethylene production capacity



**65%**

Per cent of Canada's marketable natural gas produced in Alberta



**#1**

Largest CO<sub>2</sub> pipeline in the world

## The Opportunity



**1st**

Lowest cash cost for ethylene production in North America



**23%**

Alberta's combined federal-provincial business tax rate is lower than that of 44 U.S. states



**1st**

Lowest cost propane feedstock in North America

## Areas of Focus

### Sustainability

Shell's Quest carbon capture, use, and storage (CCUS) facility at the Scotford upgrader has diverted more than 5M tonnes of greenhouse gasses. Continued investment into CCUS will allow for greater blue hydrogen production.

### Enhanced Clusters

By creating development areas with access to cost competitive feedstock including the Greenview Industrial Gateway, alongside its Petrochemical Incentive Program and excellent market access, Alberta offers ample opportunity for petrochemical manufacturing investment.

## Company Spotlight



Air Products is building the world's largest \$1.3B net-zero hydrogen production facility in Edmonton, Alberta.



Shell Canada's Polaris CCS project is expected to divert 300M tonnes of CO<sub>2</sub>.



Dow Chemical is set to build the world's first net-zero carbon emissions ethylene and derivatives complex in Alberta.



## Petrochemicals

Alberta's Industrial Heartland is Canada's largest hydrocarbon processing region. It encompasses over 20 interconnected major facilities, allowing refineries, manufacturers, and petrochemical companies to share resources and improve economic and environmental gains.

Alberta has a strategy to become a global supplier of clean, responsibly sourced natural gas and related products including hydrogen, petrochemicals, and recycled plastics.

This plan of action shows the government's commitment to support the long-term growth and strength of the industry as it becomes a global competitor across multiple sectors.

For example, the Greenview Industrial Gateway is an early-stage economic development zone. It is designed to foster world-class heavy eco-industrial development with the goal of providing low-cost feedstock for agriculture petrochemical manufacturers.

### Why Alberta?

#### Young & Educated Talent



##### Educated

Alberta has the highest number of engineers per capita in North America.



##### Young Workforce

Alberta has one of the highest proportions of workers under the age of 45.

#### Attractive Lifestyle



##### Dynamic, Affordable Cities

Calgary and Edmonton's high quality of life and low housing prices make them two of North America's most vibrant, livable, and affordable cities.

#### Political & Economic Stability



##### Alberta's Commitment

Alberta is committed to growing its petrochemical industry, as proven by its Petrochemical Incentive Program.



##### Net Zero Accelerator

Canada's Net Zero Accelerator supports projects which reduce emissions in the petrochemical sector.

#### Access to Key Markets



##### Globally Connected

Alberta's world-class infrastructure supports business development and growth. The province's internationally integrated airports, market access, and telecommunication network make it a hub for companies looking to do business worldwide.

#### Low Cost of Doing Business



##### Feedstock Prices

Alberta's abundance of natural gas and other feedstock provides low-cost opportunities for petrochemical manufacturing.



##### Alberta's Tax Advantage

Alberta businesses and residents pay the lowest overall taxes in the country and amongst the lowest in North America.

**Big. Bold.**  
Alberta.