NOVA Chemicals®

MANUFACTURING WEST

NOVA Chemicals' Joffre Site has been operating for over 45 years and is a world-scale integrated petrochemical manufacturing complex, with three ethylene and two polyethylene manufacturing facilities.

From our early days as a small prairie pipeline company to the construction of our first ethylene facility, to becoming Canada's largest petrochemicals producer, NOVA Chemicals' story is one of innovation and evolution.

We operate our manufacturing facilities responsibly, adhering to the Responsible Care® principles developed by the Chemistry Industry Association of Canada (CIAC). All aspects of our operations reflect a safe and caring attitude for our employees, our communities and the environment.

MANUFACTURING WEST FAST FACTS:

Joffre Site employs over **850 permanent employees** and **350-400 contractors**

Turnaround and outage work can bring over **1,000 skilled workers** to Central Alberta each year

In 2024 our total community investment impact in Central Alberta was just **over $1 million dollars**

NOVA Chemicals strives to **be our customers' first and best choice** by reshaping how plastics are designed, made, and recycled.

With a focus on outstanding innovation and customer experience, we develop and manufacture ethylene, polyethylene (PE), recycled polyethylene (rPE), and plastomers for plastic products and packaging.

Our diverse portfolio of PE and rPE resins are used in a wide range of flexible and rigid applications, enabling customers and brands to create monomaterial products that are suitable for circular packaging opportunities.

ETHYLENE PRODUCTION

NOVA's first ethylene facility, E1, was operational in 1979. E2 expanded the Site's footprint in 1984, and in 2000, E3 — a jointly-owned facility — came online.

Joffre Site produces approximately **800 million pounds** of energy products and coproducts each year. While a small amount of our ethylene is transported to customers, nearly 70% is used for our polyethylene manufacturing on-site.

POLYETHYLENE PRODUCTION

The Joffre Site produces over **3.4 billion pounds** of PE annually. Our first facility (PE1) started up in 1984, followed by our second (AST1) in 2001.

Joffre produces a range of polyethylene, including linear low-density (LLDPE) for use in food packaging, heavy-duty sacks, stretch films, and toys, as well as high-density (HDPE), used in water bottle and soft drink caps, tanks, pails/crates, pond liners, and recreational and leisure equipment.

COMMUNITY ENGAGEMENT

NOVA Chemicals fosters long-term positive relationships with our community by working closely with our neighbours and ensuring our community outreach initiatives allows for ongoing and frequent dialogue.

NOVA has a long history of giving back to the communities where we live and work. We strive to add value and make a positive impact through active service and investing where our communities need it most. We invest in the well-being of our communities by lending a hand to organizations that are dedicated to making a difference and improving the overall quality of life. Manufacturing West's community investment strategy supports local initiatives in the communities that align with NOVA's areas of focus:

- Inspiring, Tomorrow's Innovators (STEM, trades, and education)
- Strong, Thriving Communities
- Environmental Stewardship

Manufacturing West supports the United Way Central Alberta as NOVA's charity of choice and has been the top-performing campaign in the region for several years, contributing over **$600,000** and more than **1,000 volunteer hours** annually.

Did You Know?

AST1 was the first polyethylene facility to use our Canadian-born proprietary Advanced SCLAIRTECH™ technology (AST), which enables the development of a broad range of innovative polymers.

Our portfolio, which includes our high-performance SURPASS®, SCLAIR®, and ASTUTE™ resins, have improved processing properties and support new opportunities for circular packaging.

PIPELINE OPERATIONS

NOVA Chemicals operates two pipeline systems in Alberta. These systems include more than **385 kilometers (km)** of pipeline that safely transport essential feedstocks and products to and from our facilities, as well as others in the province. We also own, operate, and maintain several smaller-length pipelines adjacent to our facilities.

NOVA CHEMICALS COMMUNITY NATURE TRAIL

This wonderful natural space located just north of the Joffre Site was opened in 2016 for the enjoyment of our community and employees, and to provide a diverse and valuable wildlife habitat. The 5km trail provides an excellent opportunity for people to connect with nature and learn about local wildlife and plants — as well as the area's history.