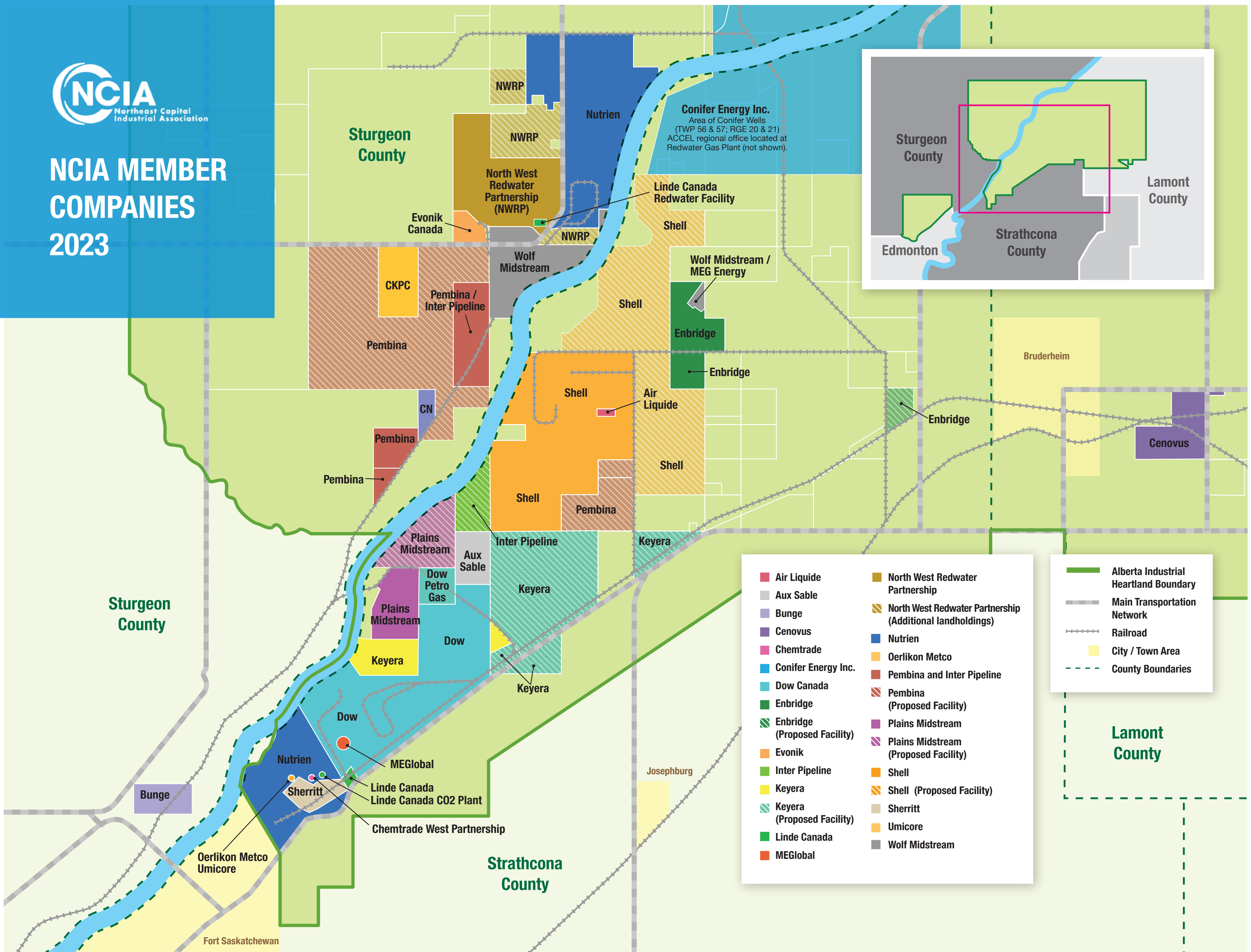


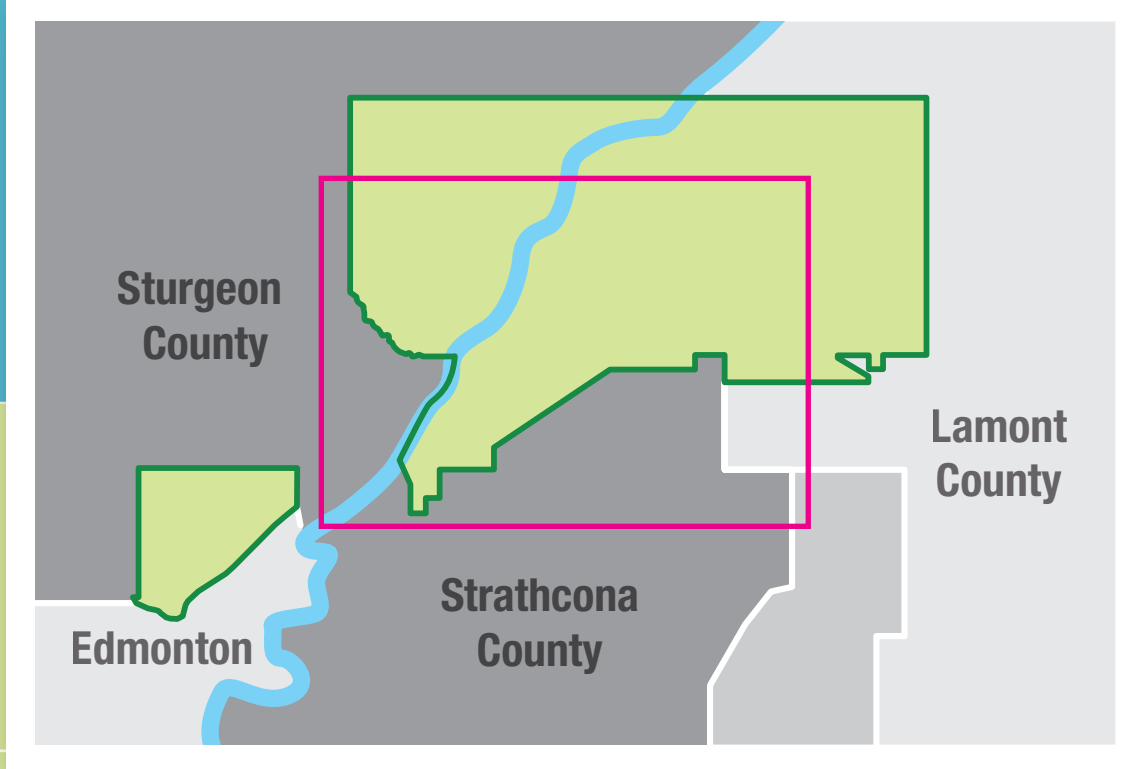


# NCIA MEMBER COMPANIES 2023



- Air Liquide
- Aux Sable
- Bunge
- Cenovus
- Chemtrade
- Conifer Energy Inc.
- Dow Canada
- Enbridge
- Enbridge (Proposed Facility)
- Evonik
- Inter Pipeline
- Keyera
- Keyera (Proposed Facility)
- Linde Canada
- MEGlobal
- North West Redwater Partnership
- North West Redwater Partnership (Additional landholdings)
- Nutrien
- Oerlikon Metco
- Pembina and Inter Pipeline
- Pembina (Proposed Facility)
- Plains Midstream
- Plains Midstream (Proposed Facility)
- Shell
- Shell (Proposed Facility)
- Sherritt
- Umicore
- Wolf Midstream

- Alberta Industrial Heartland Boundary
- Main Transportation Network
- Railroad
- City / Town Area
- - - County Boundaries





## NCIA MEMBER COMPANIES 2023

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Northeast Capital Industrial Association



### AIR LIQUIDE CANADA

www.ca.airliquide.com

At the Scotford complex, oxygen and nitrogen gases are produced for local industry along with liquid oxygen, nitrogen and argon for broader distribution throughout Alberta, Canada and the United States. A cogeneration plant produces electricity and steam for Shell Chemicals and Air Liquide's internal uses, while supplying any surplus power to the Alberta grid. A CO<sub>2</sub> plant recovers and purifies by-product carbon dioxide from Shell's plant for enhanced recovery of oil and gas, and food-grade applications.

### AUX SABLE

#### AUX SABLE CANADA

www.auxsable.com

Aux Sable Canada is a midstream gas processing company headquartered in Calgary. The company is a partnership between Pembina and Enbridge with each holding a 50% ownership. The Aux Sable Heartland Offgas Plant (HOP) in Fort Saskatchewan is operated by Pembina.

HOP is the first processing plant in Alberta to produce valuable products including hydrogen, ethane, and other natural gas liquids from a refinery offgas stream supplied from Shell's Scotford Complex. The products are returned to Shell via pipeline. Removing these products from the offgas and using natural gas as an industrial fuel reduces the environmental footprint of refinery and upgrader operations in the area.

### BUNGE

Bunge is an agribusiness and food ingredient company dedicated to improving the global food supply chain. Bunge Fort Saskatchewan facility is located on a rural 36-acre site near Fort Saskatchewan. The facility crushes 875 metric tons of canola per day, producing approximately 350 metric tons of canola oil. The initial process involves heating, flaking and expelling of canola seed. Extraction process involves hexane extraction of oil, distillation and vent recovery. After removing most of the oil, a high-protein animal feed also known as meal and pellets is produced. Operations are continuous, 24 hours per day, 7 days per week involving a total of 50 employees.



### CENOVUS

www.cenovus.com

Cenovus Energy Inc. is an integrated energy company with oil and natural gas production operations in Canada and the Asia Pacific region, and upgrading, refining and marketing operations in Canada and the United States. The company is focused on managing its assets in a safe, innovative and cost-efficient manner, integrating environmental, social and governance considerations into its business plans. Cenovus also owns the Bruderheim Energy Terminal near Edmonton, which has a crude oil loading capacity of approximately 100,000 barrels per day. The rail terminal provides additional transportation options to get Cenovus' production to North American and global refiners.



### CHEMTRADE

www.chemtradelogistics.com

At two plants in Fort Saskatchewan, Chemtrade produces and supplies sulphur-enhanced chemicals to most of the pulp and paper as well as oil and gas manufacturers in western Canada. Chemtrade also supplies water treatment chemicals to municipalities and industries throughout Alberta, British Columbia and Saskatchewan.



### CONIFER ENERGY INC.

www.coniferenergy.ca

Conifer Energy Inc is a new entrant to the Canadian Energy marketplace supported by senior industry professionals and an exemplary operations staff. At inception, their production exceeds 7,000 BOED and produces energy from the best reservoirs in the province of Alberta not only for recovery, but also for their future carbon capture, utilization and storage potential.



### DOW CANADA

www.dowcanada.com

Dow's Fort Saskatchewan manufacturing site is one of the largest petrochemical facilities in Canada. The 2,128-acre site opened in 1961 and is home to world-scale assets including:

- A fractionator plant that separates natural gas liquids received by pipelines to supply ethane to the cracker.
- An ethane cracker, which converts ethane supplied by the fractionator into ethylene, an important component in the manufacturing of plastics, consumer materials, and other petrochemical products.
- A solution polyethylene plant that manufactures plastic pellets for Dow's customers worldwide to produce a wide range of consumer and industrial goods.
- An energy systems plant that produces power, water, condensate, and steam for the site.
- On-site wells and storage facilities, including caverns for hydrocarbons and disposal wells for solid and liquid wastes.

A unique feature of the Fort site is the ~220-acre wildlife greenbelt outside the fence line, a corridor for local wildlife and wetlands, with more than 16,000 trees and shrubs planted in this habitat area.



### ENBRIDGE

www.enbridge.com

Enbridge is a North American energy infrastructure company headquartered in Calgary. The 447 km Norlite Pipeline was completed and in-service as of June 2017. The 24-inch pipeline ships 218,000 barrels per day of diluent from the Enbridge Stonefell site in the Industrial Heartland to the Suncor East Tank farm near Fort McMurray and has the potential to be expanded up to 418,000 barrels per day with the addition of pump stations.



### EVONIK

https://corporate.evonik.us/region/north\_america/en/

The Evonik Gibbons site is a key part of Evonik's Active Oxygens business line, a leading supplier of hydrogen peroxide, peracetic acid, and persulfates with 18 production sites around the globe. The chemicals are widely used in the pulp and oil and gas industry as well as many other applications, such as food safety, electronics, and environmental applications.



### INTER PIPELINE

www.interpipeline.com

Inter Pipeline is a world-scale energy infrastructure business engaged in the transportation, processing and storage of energy products across Western Canada and Europe, which includes the Redwater Olefinic Fractionator in Strathcona County. Approximately 40,000 b/d of an ethane-plus mixture from upgrader offgas, a by-product of bitumen upgrading operations, is fractionated at this facility and turned into marketable products sold across North America. This facility is operated by Pembina Pipelines.

Inter Pipeline's Heartland Petrochemical Complex, also located in Strathcona County, is designed to convert locally sourced, low-cost propane into 525,000 tonnes per year of polypropylene, a high value, easy to transport plastic used in the manufacturing of a wide range of finished products. Consisting of a propane dehydrogenation (PDH) and a polypropylene (PP) facility, this complex is the only operation of its kind in North America. The polypropylene produced at the plant is marketed under the brand name Heartland Polymers.



### KEYERA

www.keyera.com

Keyera operates an integrated Canadian-based energy infrastructure business with extensive interconnected assets and depth of expertise in delivering energy solutions. Keyera's Fort Saskatchewan fractionation and storage facility includes a natural gas liquids processing plant, underground storage caverns, and a series of pipeline connections to Keyera truck and rail terminals. Keyera also operates an industry-leading condensate system in the Edmonton/Fort Saskatchewan area.



### Linde Canada

www.lindecana.ca/en-ca

Linde Canada is a wholly owned subsidiary of Linde plc., a leading global industrial gases and engineering company. Linde serves a variety of end markets including chemicals and refining, food and beverage, electronics, healthcare, manufacturing, and primary metals. For more than 100 years, Linde has taken something as fundamental as air and turned it into ways to make plants operate more cleanly and productively. Food tastes better, breathing is easier, and manufacturing processes are more efficient. Linde's operations in Fort Saskatchewan and Redwater include 2 air separation facilities, a carbon dioxide and dry ice plant, and oxygen and nitrogen pipelines.



### MEGlobal Canada

www.meglobal.biz

MEGlobal is a world leader in the manufacture and marketing of monoethylene glycol and diethylene glycol (EG). The company manufactures more than 2.09 million metric tons annually of EG at its plants across North America, including a nameplate capacity of 450,000 metric tons annually in Fort Saskatchewan. EG is used as a raw material in the manufacturing of polyester fibers, polyethylene terephthalate resins (PET), antifreeze formulations and other industrial products.



### NWR

#### North West Redwater Partnership (Sturgeon Refinery)

www.nwrsturgeonrefinery.com

North West Redwater Partnership (NWR), an Alberta-based partnership, owns and operates the Sturgeon Refinery located in Sturgeon County. The Sturgeon Refinery is the first refinery built in Canada in over 30 years and the only one designed from the outset with a carbon capture solution. The refinery processes diluted bitumen from Alberta's oil sands into ultra low sulphur diesel and other value-added products using gasification to make hydrogen from the heaviest liquid components. This maximizes the production of high value components, minimizing waste products, and enabling the capture and sequestration of pure carbon dioxide, which is used by others for enhanced oil recovery in central Alberta.



### NUTRIEN

www.nutrien.com

Nutrien is the world's largest provider of crop inputs and services, playing a critical role in helping growers increase food production in a sustainable manner. Nutrien produces and distributes over 27 million tonnes of potash, nitrogen and phosphate products for agricultural, industrial and feed customers world-wide. Combined with their leading agriculture retail network that services over 500,000 grower accounts, they are well positioned to meet the needs of a growing world and create value for their stakeholders.

The Nutrien Redwater fertilizer manufacturing plant produces anhydrous ammonia, granular urea, ammonium nitrate liquor, ammonium nitrate industrial prill, urea ammonium nitrate, sulphuric acid and ammonium sulphate. The Nutrien Fort Saskatchewan fertilizer manufacturing plant produces three products: anhydrous ammonia, aqua ammonia and granular urea. These products are used primarily for agriculture in Canada and the United States.



### OERLIKON METCO CANADA

www.oerlikon.com

Oerlikon Metco (Canada) operations in Fort Saskatchewan include manufacturing, research and development, analytical services, engineering, sales and marketing, and administration for all of Oerlikon Metco's operations in Canada. They produce a range of nickel-based composite powders for aerospace, power generation and electronics applications, as well as other specialty materials.



### PEMBINA

www.pembina.com

Headquartered in Calgary, Pembina is a midstream service provider with infrastructure that connects oil and gas production to markets that need it. Their Redwater operations focus on NGL fractionation and storage with 210,000 bbl/day of processing capacity for NGLs such as ethane, propane, butane and condensate, in addition to large transportation and logistics infrastructure including truck terminals, rail facilities and pipeline connectivity to markets. The facility also includes 25 underground storage caverns, the largest in Western Canada. Pembina operates the IPL fractionation facility as well as the TransCanada Cogen at the Redwater site.



### PLAINS MIDSTREAM CANADA

www.plainsmidstream.com

The Plains Midstream Fort Saskatchewan site is a fractionation and underground storage facility that brings in a stream of natural gas liquids (NGLs) to be treated or fractionated then stored for future shipments. The facility consists of three fractionation plants, a Carbonal Sulphur (COS) removal plant, five molecular sieve units, fifteen storage caverns, unmanned propane and butane truck loading, propane rail loading and a control centre for the pipelines and the facility plants. Storage for NGL products occurs in solution mined salt caverns 1,800 metres below the facility. The facility also marks the termination point to the Alberta Ethane Gathering System (AEGS). Ethane storage and the ability to redeliver as ethane demand warrants is key to the success of Alberta's petrochemical business.



### SHELL SCOTFORD

www.shell.ca

The Shell Scotford complex near Fort Saskatchewan consists of a bitumen upgrader, oil refinery, chemicals plants and a carbon capture and storage (CCS) facility. It is one of North America's most efficient, modern and integrated hydrocarbon processing sites, converting oil sands bitumen into fuels for Canadians and building blocks for many household chemical products.

Shell's Quest Carbon Capture and Storage (CCS) facility is a joint venture of Shell, Canadian Natural, and Chevron. Since starting up in 2015, the Quest facility has safely captured, transported and stored (permanently underground) over 1 million tonnes of CO<sub>2</sub> per year from the Scotford Upgrader in Strathcona County – the equivalent to taking the emissions of 250,000 cars off the road each year.



### SHERRITT INTERNATIONAL CORPORATION

www.sherritt.com

Headquartered in Toronto, Sherritt is a world leader in using hydrometallurgical processes to mine and refine nickel and cobalt – metals essential for an electric future. Its Technologies Group, based in Fort Saskatchewan, creates innovative, proprietary solutions for natural resource-based industries around the world to improve environmental performance and increase economic value. Sherritt's Fort Saskatchewan facilities are a part of its integrated nickel business, producing high-purity nickel and cobalt for international markets. The site also produces ammonia-based fertilizers and sulphuric acid for internal use and sale into local and domestic markets. Sherritt has embarked on a multi-pronged growth strategy focused on expanding nickel and cobalt production by up to 20% from 2021 and extending the life of mine at Moa beyond 2040. The Corporation is also the largest independent energy producer in Cuba.



### UMICORE CANADA

www.umicore.com

Umicore Canada is part of Umicore's Energy & Surface Technologies business group and produces micron and sub-micron sized spherical fine cobalt powder for use as a binder in cutting tools. Umicore Canada makes its powder through a proprietary hydrometallurgical process that provides unique processing advantages for the end customer and improved tool properties.



### WOLF MIDSTREAM

www.wolfmidstream.com

Based in Calgary, Wolf Midstream (Wolf) is a private company, backed by Canada Pension Plan Investments (CPI Investments). Wolf was formed in 2015 to focus on the acquisition and construction of innovative and sustainable midstream energy infrastructure assets in Western Canada. The company has grown through a series of acquisitions and successful developments, resulting in three solid business lines. All three owned and integrated businesses are built on high quality and significant Western Canadian midstream assets:

- The pipeline business, which includes a major thermal oil and diluent system (Access Pipeline).
- The carbon business, built and operated by Alberta's carbon dioxide backbone transportation system (the Alberta Carbon Trunk Line). Wolf is currently developing two of the first open access Alberta CO<sub>2</sub> sequestration hubs.
- The NGL business, which is based on a Wolf-constructed 70,000 bpd proprietary natural gas liquids recovery, transportation and separation system currently under development.