



## CITY OF EDMONTON

www.edmonton.ca

### Horsehills Industrial (PROPOSED)

www.northernpremier.ca

Horsehills Industrial is 526 acres of prime industrial land in the very northeast portion of the Energy and Technology Park. Bordered by Hwy 28a to the west and Hwy 37 to the north, Horsehills Industrial is zoned for General Industrial, Manufacturing and Logistics. Hwy 37 is the new High Load corridor and offers companies' access to the rest of Alberta's Industrial Heartland and direct access through junction 63 to northern Alberta.



## LAMONT COUNTY

www.lamontcounty.ca

### Alberta Midland Railway Terminal Ltd (PROPOSED)

www.albertamidlandrail.ca

Alberta Midland Railway Terminal is a private company, with the primary developers having ownership of a similar rail logistics site in southern Alberta within minutes of Bruderheim and the town of Lamont for staffing requirements. The developers of Alberta Midland Railway Terminal also led the development of a modern grain terminal adjacent Transmark in 2006 known as Lethbridge Inland Terminal. Alberta Midland Railway Terminal, through its alliances is planning to provide key third-party rail services within Alberta's Industrial Heartland.



## STURGEON COUNTY

www.startinsturgeon.ca

### Access Pipeline (OPERATIONAL)

www.accesspipeline.com

Access Pipeline is owned by Devon NEC Corporation and MEG Energy Corporation, each with an undivided 50% working interest. They operate bitumen blend and diluent pipelines between their Owners' Conklin area production sites and Alberta's Industrial Heartland.

The Access Pipeline Regional Office is located in Fort Saskatchewan.

### Agrium Redwater Fertilizer Operations (OPERATIONAL)

www.agrium.com

Occupying 372 hectares along the North Saskatchewan River, this facility is the largest fertilizer complex in North America, producing approximately 680,000 tonnes of ammonium phosphate (MAP) and close to 1.4 million tonnes of nitrogen based nutrients. Raw materials for production include: natural gas, air, water, sulphur and phosphate rock. The water comes from the nearby North Saskatchewan River, natural gas and sulphur are purchased from Alberta producers, and the phosphate rock is imported from Morocco.



The facility has 22 km of track capable of storing 600 railcars. Agricultural buyers account for the largest amount of their customers, with a small percentage the urea and ammonia products marketed for industrial use.

### CN Sturgeon County Support Yard (DEFERRED)

www.cn.ca

The new CN Rail yard will be sized and developed over time to support growth in Alberta's Industrial Heartland. The new five track Sturgeon Support Yard is located directly north of the highway 15 overpass. Here, regional trains will drop off blocks of rail cars to local industry customers. Timing of the support track construction is TBD.

## CITY OF FORT SASKATCHEWAN

www.fortsask.ca

### Agrium Fort Saskatchewan Nitrogen Operations (OPERATIONAL)

www.agrium.com

Occupying 227 hectares along the North Saskatchewan River, this facility produces 465,000 gross tonnes (192,000 net) of anhydrous ammonia, 430,000 tonnes of granular urea and 95,000 tonnes of 29% urea ammonia. Raw materials for production include water, air and natural gas. Water is obtained from the adjacent North Saskatchewan River and natural gas is purchased from Alberta producers. The primary end consumer is the agriculture market — in particular, growers of grains, oilseeds and other crops who want to enhance crop yields and quality.

### Canadian Heartland Lamont Industrial Park (PROPOSED)

www.conserveoilcorporation.com

The Park offers light/medium industrial lots that vary in size from 8 acres and up. Features include regional water line, 3 phase power, internal road infrastructure and storm water management, easy access to highway 45 and 15, potential for CN rail sidings onsite, access to CN Rail, and within minutes of Bruderheim and the town of Lamont for staffing requirements.

### Genovus (OPERATIONAL)

www.genovus.com

Genovus is committed to being a responsible developer of one of Canada's most valuable resources — the oil sands. They apply fresh, progressive thinking to minimize the impact on the environment while safely producing energy resources the world needs. Genovus is focused on creating value through the development of their vast oil sands assets in northern Alberta, where they drill for oil and use specialized methods to pump it to the surface. The company also has established conventional natural gas and oil production in Alberta and Saskatchewan and 50 percent ownership in two U.S. refineries. Genovus is based in Calgary, Alberta and has more than 4,000 staff members across their operations.

### Graymont Western Canada Inc. (OPERATIONAL)

www.graymont.com

Graymont is a family owned business that has been in the lime business for over 50 years. Their operations in Lamont County includes a lime hydrating and distribution facility.

### JFSL Fabrication Services Inc. (OPERATIONAL)

www.tritonprojects.com

Located on a 75-acre lot east of Bruderheim, JFSL Fabrication offers a unique execution strategy in module construction. The company focuses on maximizing efficiencies, safety measures and product quality by constructing within the 47,000 square feet of its fabrication facility and reducing the outdoor exposure associated with traditional methods.

### MEG Energy Corp (UNDER CONSTRUCTION)

www.megenergy.com

MEG is in the process of building and operating the Hi-O Field Demonstration Pilot Facility. The facility would allow bitumen to be shipped in pipelines without blending with light hydrocarbons. The facility is planned on processing between 1,500 and 3,000 barrels of bitumen per day. Anticipated completion date — 2017.

### Evonik Canada Inc. (OPERATIONAL)

www.evonik.com

This facility manufactures and distributes hydrogen peroxide. The chemical is widely used in the pulp and mining industries and also has environmental applications.

The Gibbons site is a key part of the Evonik Active Oxygens business, a global supplier of hydrogen peroxide, operating production facilities in more than ten countries and supplying customers in every region of the world.

### Fort Hills Energy Limited Partnership (DEFERRED)

www.suncor.com

Fort Hills Energy Limited Partnership exists between Sunco Energy, Total E & P Canada and Tech Commco. Development plans are on hold. Sunco is the managing partner.

### Inter Pipeline (OPERATIONAL)

www.interpipeline.com

Inter Pipeline fractionates an NGL/olefins liquids mixture sourced from oil sands upgrader offgas into components of ethane, ethylene, propane, propylene, butane, butylene and condensate. This liquids mix arrives at the site through Inter Pipeline Boreal Pipeline. The propylene made at this facility is a high purity polymer grade, the only facility producing polymer grade propylene in Canada. Separating propane and propylene is a difficult task, because the boiling points are only 1 1/2 degrees apart. Inter Pipeline accomplishes this with their 320 foot, 213 tray splitter — the distinctive red and white tower on the site. It is the tallest fractionation tower in western Canada.

### Aux Sable Canada Ltd. Heartland Offgas Plant (“HOP”) (OPERATIONAL)

www.ausable.com

Aux Sable is a midstream gas processing company headquartered in Calgary, Alberta.

Aux Sable owns and operates the Heartland Offgas Plant (HOP). The facility processes offgas from Shell's Scotford Complex and produces methane, hydrogen, ethane and a propane-plus mix.

### Chemtrade West Limited Partnership (OPERATIONAL)

www.chemtradelogistics.com

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

### Superior Plus Corp (SPB.TO) (PROPOSED)

www.superiorplus.com

Superior Plus, through its 100% equity interest in ERCO Worldwide, owns strategically located property in the Lamont County area. The industrial zoned property is situated with direct access to both Canadian Class 1 railroads and within major petroleum logistics corridors. The site is well suited for an energy midstream facility development.

Serving North American and international markets, Superior Plus has a portfolio of diversified businesses including energy services, specialty chemicals and construction products distribution. As one of the largest buyers of propane in Canada, the primary activities of the Superior energy services business include the procurement, aggregation, marketing, and wholesale & retail distribution of natural gas liquids.

### Western Asphalt Products (OPERATIONAL)

www.westernasphalt.ca

Western Asphalt Products opened a state of the art Asphalt Emulsion Facility located in Bruderheim Alberta in Spring 2013. Asphalt Emulsion is used in the process of recycling existing roadways and also preventative road maintenance extending the life of our current infrastructure. Asphalt Emulsion is an environmentally friendly cost effective alternative to hot mix asphalt. Western Asphalt is pre-qualified to supply all Western Canadian provinces.

### Dow Chemical Canada ULC (OPERATIONAL)

www.dowcanada.com

Serving North America, Latin America and the Pacific Rim, Dow's Fort Saskatchewan manufacturing site forms one of the largest petrochemical facilities in Canada. It uses natural resources in the area to make olefin monomers and plastics for a wide range of industries and customers.

With four world-scale production units on 2128 acres, Dow produces hydrocarbons, ethylene, polyethylene, and electricity. More than 1.4 million tons of product leaves the site each year by rail and truck, with over half of it bound for customers outside of Canada.

### Eastgate Business Park (OPERATIONAL)

www.eastgatebusinesspark.com

This mixed use commercial/light/medium industrial park services the Heartland heavy industrial area as well as the agricultural community. The Park has direct access to Highway 15/21, adjacent to the high load corridor to Fort McMurray. It is antireeze with municipal water and sewer, natural gas, and electricity.

## STRATHCONA COUNTY

www.strathcona.ca

### Air Liquide Canada Inc. (OPERATIONAL)

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 and the U.S. 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 CO2 plant recovers and purifies by-product carbon dioxide from Shell's plant for enhanced recovery of oil and gas, and food-grade applications.

### ATCO Pipelines (OPERATIONAL)

www.atcopipelines.com

ATCO Pipelines owns and operates an integrated high-pressure pipeline system and crude oil diluents, machinery, construction materials and dimensional loads to Alberta. Also, when paired with CN's extensive rail network, the centre will assure the ability to move liquefied petroleum gases, sulphur and diesel to end markets.

### ATCO Power (PROPOSED)

www.atcopower.com

ATCO Power is proposing to build and operate a 400 megawatt (MW) natural gas-fired power generation station called the ATCO Heartland Generating Station.

The proposed ATCO Heartland Generating Station will be built as a combined cycle gas turbine power station using state-of-the-art gas and steam turbine technology to achieve high energy efficiency while producing low air emissions for the amount of electricity produced.

The company has an established multi-user water system, the ATCO Heartland Industrial Water System, connected to the North Saskatchewan River that provides

### Northern Lights Partnership (DEFERRED)

www.total-ep-canada.com

Total E&P Canada and SinoCanada have a 50-50 joint venture with Imperial Oil Limited announced a planned expansion project to add incremental capacity of 110,000 barrels per day (bpd) at the Edmonton Rail Terminal. The Edmonton Rail Terminal will increase its capacity to over 210,000 bpd and potentially up to 250,000 bpd. The terminal will be connected via a pipeline to Kinder Morgan's adjacent Edmonton storage terminal and will be capable of sourcing all crude streams handled by Kinder Morgan for delivery by rail to North American markets and refineries. The rail terminal is being constructed and will be operated by Kinder Morgan, and will connect to both Canadian National and Canadian Pacific mainlines.

### Pembina Pipeline (OPERATIONAL)

www.pembina.com

Pembina's RFS II project included expansion of the Redwater Fractionator and Storage (RFS) facility involving twinning Pembina's existing 73,000 barrel per day ethane-plus fractionator in Redwater. With RFS II in service, Redwater's fractionation capacity has more than doubled to over 146 mbd of capacity. Ethane produced at RFS II is sold under a long-term arrangement with NOVA Chemicals Corporation. Pembina's RFS III project under construction is the third fractionator at Redwater, which will have propane-plus capacity of 55 mbd. It is expected to be in service in the third quarter of 2017.

Pembina has also proposed a joint project with Petrochemical Industries Company K.S.C. (PIC). The facility would use propane as its feedstock, converting it to propylene, and then further processing propylene to polypropylene. Once operational, the facility could consume approximately 22,000 barrels per day of propane and produce up to 550,000 tonnes per year of polypropylene. The polypropylene could then be transported anywhere in the world in the form of pellets. In service is expected in 2021.

### Fort Industrial Estates (OPERATIONAL)

This light/medium industrial park services the Heartland heavy industrial area as well as the agricultural community.

It has direct access to Highway 15/21, adjacent to the high load corridor to Fort McMurray and is serviced by municipal water and sewer, natural gas and electricity. They also have building space for lease.

### Keyera (KFS) (OPERATIONAL)

www.keyera.com

The Fort Saskatchewan Fractionation and Storage Facility receives natural gas liquids from connected pipeline systems and truck off loading. These streams are fractionated into ethane, propane, butane and pentane plus products. Following Fractionation the products are shipped to customers through pipeline systems or truck loading facilities. Products that are not immediately delivered to customers are stored in deep underground storage caverns for subsequent delivery to markets.

### Field Upgrading Limited (UNDER CONSTRUCTION)

www.fieldupgrading.com

Field Upgrading Limited is developing a new technology called DSU to remove acids, metals and sulphur from heavy oils. DSU has many applications worldwide, including upgrading bitumen into a refinery feedstock, processing refinery intermediate streams such as sour coker diesel, and producing low sulfur marine fuel oils from a variety of sour feedstocks such as bitumen, vacuum residials and asphaltenes.

Field is constructing a 10 bpd pilot plant to collect the design data for a 1000 bpd demonstration facility. The pilot plant will operate for approximately 18 months.

### MEGlobal (OPERATIONAL)

www.meglobal.biz

MEGlobal is a world leader in the manufacture and marketing of merchant monoethylene glycol and diethylene glycol (EG). MEGlobal produces about 1.0 million metric tonnes per year of EG, and markets in excess of 2.5 million metric tonnes of EG per year. EG is used as a raw material in the manufacture of polyester fibers, polyethylene terephthalate resins (PET), antireeze formulations and other industrial products.

### ATCO Power - Scotford (OPERATIONAL)

www.atcopower.com

The Scotford Cogeneration Plant provides steam and electricity to meet the thermal and power needs of the Athabasca Oil sands Upgrader. The 1.70 megawatt (MW) Scotford Cogeneration Plant, constructed at the Shell Scotford Refinery Site, is part of the Upgrader facility.

### Canadian National Railway – Oil & Gas Distribution Centre (OPERATIONAL)

www.cn.ca

Strategically located in Scotford on 230 acres of land, the facility has the capability to move anything from pipe and track sand to crude oil diluents, machinery, construction materials and dimensional loads to Alberta. Also, when paired with CN's extensive rail network, the centre will assure the ability to move liquefied petroleum gases, sulphur and diesel to end markets.

### Canadian Pacific Railway – Strathcona Logistics Centre (PROPOSED)

www.cpr.ca

Canadian Pacific (CP) provides rail freight service to the Industrial Heartland. Trans loading services for construction materials, liquids, steel, aggregates, and bulk commodities are provided at CP's Scotford Transfer Facility at Elk Island siding. CP is further proposing to expand trans loading capability by development of its new "Strathcona Logistics Centre." In addition to Strathcona Logistics Centre CP has the potential to construct 16 miles of new rail line on existing right-of-way to service new or existing customers in Strathcona and Sturgeon Counties.

### Edmonton Rail Terminal (UNDER CONSTRUCTION)

www.kindermorgan.com

Kindermorgan Energy Partners with its 50-50 joint venture with Imperial Oil Limited announced a planned expansion project to add incremental capacity of 110,000 barrels per day (bpd) at the Edmonton Rail Terminal. The Edmonton Rail Terminal will increase its capacity to over 210,000 bpd and potentially up to 250,000 bpd. The terminal will be connected via a pipeline to Kinder Morgan's adjacent Edmonton storage terminal and will be capable of sourcing all crude streams handled by Kinder Morgan for delivery by rail to North American markets and refineries. The rail terminal is being constructed and will be operated by Kinder Morgan, and will connect to both Canadian National and Canadian Pacific mainlines.

### Air Products Canada Ltd. (OPERATIONAL)

www.airproducts.com/canada

Air Products Canada Ltd. manufactures hydrocarbons. Their facility, adjacent to Sunco, supplies hydrogen to Sunco, Imperial and other customers from a 45 km pipeline network.

### Edmonton Waste Management Centre (OPERATIONAL)

www.edmonton.ca

The EWMC is North America's largest collection of modern, sustainable waste processing and research facilities. Facilities include a modern waste processing and recycling center, North America's largest co-composting facility,



### Petrogas EnergyCorp (OPERATIONAL)

www.petrogascorp.com

Operated as a division of Petrogas Energy Corp., the Petrogas Energy Services Ltd. - Fort Saskatchewan terminal provides the service of receiving, storing and loading products onto trucks and rail cars for the sale and distribution into Alberta's petrochemical, refining and crude oil industry.

### Plains Midstream Canada (OPERATIONAL)

www.plainsmidstream.com

The 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 Carbon Sulphur (COS) removal plant, five molecular sieve units, ten storage caverns, underground propane truck 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.



### Oerlikon Metco (Canada) Inc. (OPERATIONAL)

www.oerlikon.com

Oerlikon Metco (Canada) Inc. operations at Fort Saskatchewan include manufacturing, R&D, analytical services, engineering, sales and marketing, and administration for a lot 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.

### Enbridge Pipelines Inc. – Athabasca Inc. – Stonefell Terminals (UNDER CONSTRUCTION)

www.enbridge.com

As part of a planned expansion of Enbridge Athabasca's Waupisoo Pipeline, a new pump station is planned for the Stonefell terminal. Additionally, Enbridge is also proposing to construct and operate a new pipeline, Norlite Pipeline project that would start at the Stonefell Terminal and end at Alberta's Athabasca and Noralis Terminals near Fort McMurray. Construction started in summer 2015 with an expected in service date spring 2017.

### Federal Power Strathcona Inc. (PROPOSED)

The proposed Federal Power Strathcona Inc. power plant will be a natural gas-fired power generation facility serving the fast-growing industrial, commercial and residential customer base in Alberta's Industrial Heartland and the Alberta Capital Region.

### Gibson Energy Partnership Ltd. (PROPOSED)

www.gibsons.com

Gibson Energy is planning to build out a crude and NGL terminal along with truck, rail, and related pipeline connectivity.

### Inter Pipeline (PROPOSED)

www.interpipeline.com

Inter Pipeline (IPL) is planning to construct a propane dehydrogenation (PDH) facility. It is designed to convert propane into higher value products and will be the first and only

of its kind in Canada. The PDH facility will have an initial capacity of approximately 1.1 billion pounds of polymer grade propylene and 1.0 billion pounds of polypropylene. Subject to securing appropriate long term, fee-based sales contracts for the production, Inter Pipeline anticipates making final investment decisions on the PDH and polypropylene facilities by mid-2017. Both plants are expected to be operational by mid-2021. Initially, approximately two thirds of the propane feedstock will be sourced from IPL's own oil sands offgas source (Redwater Olefins Fractionator in Sturgeon County), with the potential for more propane from offgas sources used in the facility in future years.

### Keyera - Josephburg Rail Terminal (OPERATIONAL)

www.keyera.com

This project came on stream during the second half of 2015. The primary purpose of this development is to load propane on rail cars for export to a variety of markets. It will be pipeline connected to other Keyera infrastructure in the region.

### MEG Energy – Stonefell Terminal (OPERATIONAL)

www.megenergy.com

MEG's 900,000 barrel Stonefell Terminal was completed in late 2013. It is connected to MEG's production facilities through the Access Pipeline system with further connections to regional pipeline and rail-loading facilities planned, already in place. With these connections, Stonefell serves as the launch point for large volumes of blended products to multiple markets, diversifying MEG's sales of crude and purchases of diluent over a much larger market segment.

### Gibson Energy Partnership Ltd. (OPERATIONAL)

www.gibsons.com

Gibson is engaged in the movement, storage, blending, processing, marketing and distribution of crude oil, condensate, natural gas liquids, water, oilfield waste and refined products. Gibson transports energy products by utilizing its network of terminals, pipelines, storage tanks, and trucks located throughout western Canada and through its significant truck transportation and injection station network in the United States.

### Imperial (OPERATIONAL)

www.imperialoil.com

Imperial is one of Canada's largest corporations and a leading member of the country's petroleum industry. The company is a major producer of crude oil and natural gas, Canada's largest petroleum refiner and a key petrochemical producer. The refinery processes approx. 185,000 barrels per day.

### Inter Pipeline (OPERATIONAL)

www.interpipeline.com

Inter Pipeline operates approximately 6,600 kilometers of petroleum pipelines and 4.8 million barrels of storage in western Canada. These systems transport approximately 950,000 barrels per day of oil sands bitumen and conventional crude oil, representing approximately 15% of total western Canadian conventional volumes and approximately 39% of oil sands volumes.

### Praxair Inc. (OPERATIONAL)

www.praxair.com

Praxair, Inc. is the largest industrial gases company in North and South America, and one of the largest worldwide. The company produces, sells and distributes atmospheric, process and specialty gases, and high-performance surface coatings. Praxair Canada Inc. has proudly served Alberta's Industrial Heartland for over 30 years.

### Sherritt International Corporation (OPERATIONAL)

www.sherritt.com

Sherritt International Corporation is a world leader in the mining and gas liquids (NGLs) to be treated or fractionated then stored for future shipments.

Sherritt's Fort Saskatchewan facilities are a part of its integrated nickel business, producing high-purity nickel and cobalt for international markets. The site produces ammonia-based fertilizers and sulphuric acid for internal use and sale into international markets. Fort Saskatchewan is also home to Sherritt's global metallurgical technologies consulting business.

### Pembina Pipeline Corp. – Strathcona (UNDER DEVELOPMENT)

www.pembina.com

Pembina's crude oil midstream business includes the Pembina Nexus Terminal (PNT), which connects key infrastructure in the Edmonton/Fort Saskatchewan/Namoa area via pipelines to other Pembina infrastructure. Pembina's recent acquisition of the Heartland Hub Terminal in Strathcona County serves as a further build-out of PNT, servicing crude oil and diluent customers for terminalizing, storage and rail. The site is in close proximity to major oil sands pipeline rights-of-way, existing crude oil and petrochemical infrastructure and Pembina's RFS fractionation facility near Redwater, Alberta.

### Shell Canada Ltd. (OPERATIONAL)

www.shell.ca

Shell Scotford celebrated its 30th anniversary in the Fort Saskatchewan region in 2014. Scotford comprises two businesses – the Scotford Upgrader and Scotford Manufacturing.

### Value Creation Inc. Value Chain Solutions – Heartland Complex (VCS-H) (PROPOSED)

www.vctek.com

Value Creation received AER approval of its Clean Oil Cracking ("COCTM") Amendment Application. The VCS-H will include an independent merchant



### Taurus Industrial Business Park (OPERATIONAL)

www.taurusprojects.ca

This strategically situated 25 acre heavy industrial site boasts access to the Heavy Haul Corridor (Hwy 15) making it a logical choice to marshal for large projects in Western Canada. This secure site is graveled to heavy load standards and is equipped with engineered area lighting providing for the highest quality in a safe workplace. With rail access available and being adjacent to pipeline corridors, the possibilities are limitless for this Heavy Industrial future Plant Site.

### Umicore Canada Inc. (OPERATIONAL)

www.umicore.com

Umicore Canada is part of Umicore's Energy Materials 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

### Western Hydrogen Ltd. (OPERATIONAL)

www.westernhydrogen.com