

Alberta Economic & Commercial Profile

December 2020



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HIGHLIGHTS

- Alberta is the third largest Province in Canada by GDP, representing 20.4% of Canada’s GDP (0% growth rate from 2018).
- **Total trade exchange with Italy (2019):** CAD 659,446, 595 billion (4.29%)
- **Alberta Exports to Italy (2019):** CAD 216,624, 107 (31.76%), = 6.68% of Canadian exports to Italy
- **Alberta Imports from Italy (2019):** CAD 442,822,488 (-5.35%), = 4.67% of Canadian imports from Italy
- **Trade balance with Italy:** **CAD -740 Million** (positive for Italy)

ALBERTA

Economic and Commercial Profile



Alberta is the 3rd largest economy in Canada measured by GDP. It is a **major energy jurisdiction**, has the 3rd largest oil reserves, among the highest natural gas reserves in the world.

Although Alberta is a major energy jurisdiction, the Energy sector is relatively small part of Alberta's economy now. It is a diversified province, and its fastest growing sectors are not energy – but are unconventional energies – they are technology related to energy and the environment. Alberta's many capital-intensive industries, including oil & gas, create strong demand for financial services, trading, mergers, and acquisitions, insurance & fintech.

Fastest growing sectors: green energy, Financial Services, Tourism, Education.

ADDITIONAL SECTORS INCLUDE



Located in the prairies, bordered by the following provinces:

British Columbia to the **West**,
Saskatchewan to the **East**,
Northwest Territories to the **North**.
South: Montana (USA)

Capital: Edmonton (1,447,143)

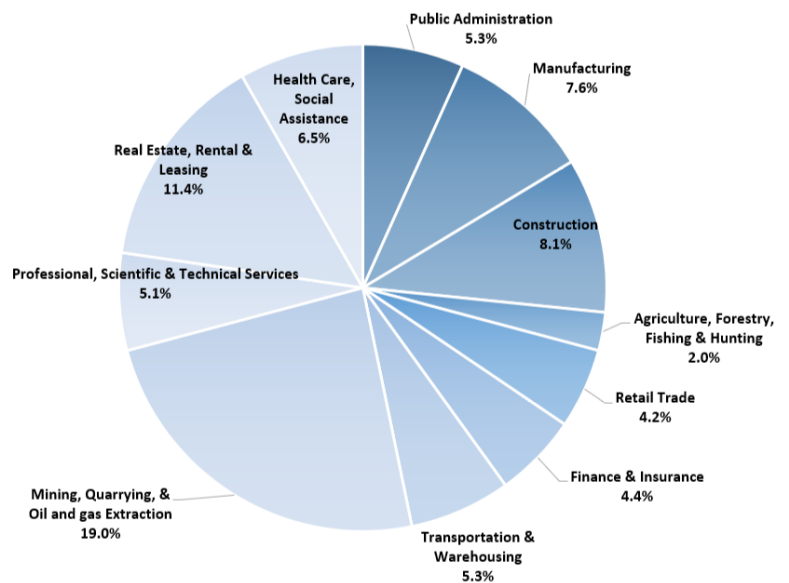
Major Urban Areas:

Calgary (1,514,723)
Lethbridge (127,232)
Red Deer (105,768)
Wood Buffalo (76,128)

Population: 4,421,876 (2020)

Source: [Statistics Canada](#)

Alberta GDP by Industry, 2019



Source: [Statistics Canada](#)

GROSS DOMESTIC PRODUCT (GDP)

2018: \$334 Billion

2019: \$334 Billion

INFLATION

Annual inflation Rate 2018: 2.4%

Annual Inflation Rate 2019: 2.3%

Annual Inflation Rate 2020 - 12-Month % Δ:

1.1% (Oct 2020)

LABOUR FORCE (2019)

Labour Force: 2,494,600

Employment: 2,227,400

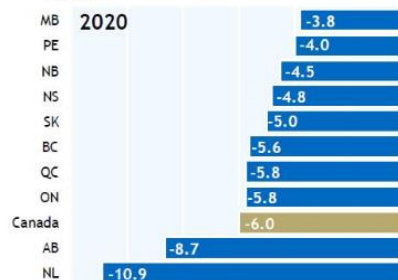
Full-Time Employment: 1,083,400

Part-Time Employment: 424,000

Unemployment: 267,100

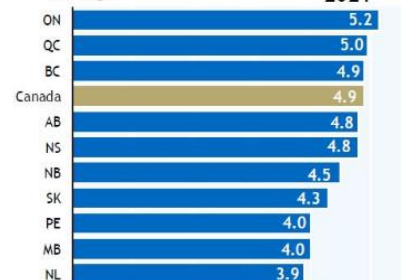
Source: [Statistics Canada](#)

Real GDP Growth % change



Source: Statistics Canada, RBC Economics

Real GDP Growth % change



Source: Statistics Canada, RBC Economics

Alberta is one of the most competitive places to invest in North America, with:

- Municipalities can offer up to 15 years of property tax incentives
- Lowest corporate tax rate in Canada 8%
- Low Fuel Taxes
- No payroll taxes, sales taxes, or capital taxes
- Alberta businesses and residents across all income ranges pay the lowest overall taxes compared to other provinces in Canada
- Alberta's tax advantage is \$14.4 Billion in 2020-21 compared to Ontario
- Municipalities can offer up to 15 years of property tax incentives
- Alberta has the **highest provincial GDP per capita** in Canada at \$80,563 (RBC Provincial Forecast)
- Second-highest exports per capita within Canada (2019)
- Alberta has more than **700 Major projects** or under construction, representing investments totalling more than \$160 Billion (Alberta Major Projects)

Source: [Invest in Alberta](#)

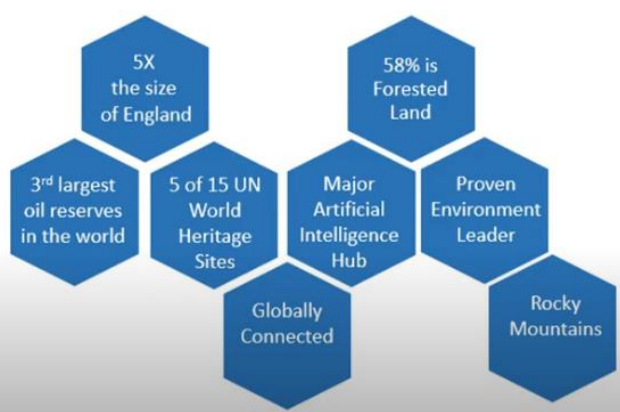
Provincial Economic Incentives

- [Alberta Enterprise Corporation](#)
- [Innovation Employment Grant](#)
- [Alberta Innovates](#)
- [Alberta Export Expansion Program](#)
- [Film & Television Tax Credit](#)
- [Canadian Agricultural Partnership](#)
- [Alberta Investor Tax Credit \(AITC\)](#)

Driving Sectors

- Energy
- Agribusiness: Food Processing and Manufacturing
- Tourism
- CleanTech
- Aerospace
- Information and Communications Technologies

Source: [Invest in Alberta](#)



Source: EUCCAN - Invest Alberta

Unemployment Rate

	Employment				Unemployment			
	18	19F	20F	21F	18	19F	20F	21F
N.&L.	0.5	0.6	-7.6	-0.1	13.8	11.9	15.1	14.4
P.E.I.	3.0	2.7	-2.4	3.3	9.4	8.8	10.8	9.5
N.S.	1.5	2.2	-5.2	4.9	7.6	7.2	10.1	8.4
N.B.	0.3	0.8	-3.6	3.6	8.0	8.0	10.4	8.3
QUE.	0.9	1.8	-5.0	5.2	5.5	5.1	9.6	7.6
ONT.	1.6	2.9	-4.7	5.4	5.6	5.6	8.9	7.1
MAN.	0.6	0.9	-3.1	4.8	6.0	5.3	7.8	6.1
SASK.	0.4	1.8	-6.0	4.0	6.1	5.4	9.5	8.4
ALTA.	1.9	0.5	-8.2	4.2	6.6	6.9	11.3	9.5
B.C.	1.1	2.6	-5.9	5.9	4.7	4.7	8.7	6.3
CANADA	1.3	2.1	-5.5	5.1	5.8	5.7	9.5	7.6

Source: Statistics Canada, RBC Economics

Real Gross Domestic Product (GDP) Annual Average per cent Δ

	Real GDP				Nominal GDP			
	18	19F	20F	21F	18	19F	20F	21F
N.&L.	-3.5	4.0	-9.9	2.7	1.7	5.4	-16.2	6.5
P.E.I.	2.6	4.5	-5.7	3.5	4.2	6.7	-3.2	4.2
N.S.	1.5	2.1	-5.5	3.8	3.3	4.3	-3.0	4.7
N.B.	0.8	1.0	-5.3	3.7	3.2	3.0	-2.8	4.5
QUE.	2.5	2.8	-6.0	4.3	4.8	4.9	-3.4	5.2
ONT.	2.2	1.9	-5.8	4.2	3.7	4.1	-3.1	5.1
MAN.	1.3	1.0	-3.8	3.6	2.2	3.0	-1.1	4.5
SASK.	1.3	-0.8	-6.2	3.8	1.4	0.6	-11.8	9.5
ALTA.	1.6	-0.6	-8.7	4.5	3.8	-0.1	-16.9	11.3
B.C.	2.6	2.8	-4.2	3.9	4.5	5.3	-1.4	5.0
CANADA	2.0	1.7	-5.9	4.2	3.9	3.6	-5.4	6.0

Source: Statistics Canada, RBC Economics

CETA TRADE OPPORTUNITIES – ALBERTA & THE EUROPEAN UNION

- Steel, Iron, and Electrical products
- Machinery and Equipment, particularly in the oil and gas sector
- Health, information and communications, environmental and other technologies

Source: [EUCCAN Webinar - Alberta](#)

VALUE OF ALBERTA EXPORTS TO ITALY (2019)	TRADING PARTNER RANK #15	Mineral Fuels/Oils \$4,044 (in Millions)		Nuclear Machinery \$3,832 (in Millions)
		Electric Machinery \$1,750 (in Millions)	Plastics \$941 (in Millions)	Articles Iron/Steel \$960 (in Millions)

Data Source: Trade Data Online

ADVANCED MANUFACTURING

Alberta's major manufacturing sectors include:

- Food and Beverages
- Petroleum and Coal
- Chemicals, plastics, and rubber
- Computer and Electronics
- Tobacco products

ADVANCED MANUFACTURING HIGHLIGHTS



Edmonton has an advanced manufacturing ecosystem that is home to nearly 40% of Alberta's manufacturing output, specializing in high-value manufacturing of customized products.

Further, the Advanced manufacturing cluster has evolved away from traditional manufacturing to the development and implementation of innovative high-tech innovation.

About one-fifth of manufacturing output consists of value-added industrial products such as fabricated metals, machinery and electronics

Sources: [Government of Alberta](#)
[Invest in Alberta](#)
[Edmonton Global](#)

NATURAL RESOURCES

The minerals industry (excluding oil and gas) is vibrant part of Alberta's economy. Non-energy minerals excavated and mined in Alberta include sand and gravel, sandstone and other building stone, iron and magnetite, and gold. Salt and limestone continue to be the leading non-fuel minerals produced in Alberta. Other minerals produced or potentially available in Alberta include:

- **metallic minerals**
- **diamonds**
- **ammonite**
- **other precious stones**
- **industrial minerals**
- **stone**

Alberta has hundreds of sand and gravel pits of various sizes. Some sand and gravel are washed for placer minerals, such as gold and platinum, before being used for construction, fill and cement manufacturing.

Source: [Government of Alberta 2020](#)



2nd most head offices per capita
Calgary, AB

FINANCIAL SERVICES

Alberta's financial sector grew by 38% between 2008 and 2018, outpacing all other provinces. Calgary is regarded as one of Canada's four global financial centres, with a cluster of 1,400+ financial services companies that employ more than 20,000 people. Calgary also has the second-highest number of head offices per capita in Canada and Calgary firms handled 9.5% of global energy related deals between 2012 and 2016. In addition, 75% of the top 20 global investment banks have branch offices in Alberta.

Source: [Invest in Alberta](#)



AGRI-FOODS

Alberta has one of the world's most productive agricultural economies, with a total farm area of 50.3 million acres or 20.3 million hectares.

- Alberta offers a high-quality supply of primary products and is the third-largest exporter of agri-food products in Canada.

In 2019, Alberta exports of primary and processed agricultural and food products totalled \$11.4 billion.

Alberta produced 32 per cent of Canadian wheat, 29 per cent of canola, 48 per cent of the nation's barley, and 20 per cent of Canada's oats. Alberta led the nation in cattle inventory, accounting for more than 40 per cent of Canada's total.

- Alberta has an expanding value-added agricultural products sector. In 2018, sales of Alberta's processed food and beverage industry were \$14.9 billion making it Alberta's **second largest manufacturing industry** on a revenue basis.

- The addition of 2,350-square-metres of business incubation and development space makes Alberta's Food Processing Development Centre and Agrivalue Processing Business Incubator the largest of its kind in the world

Source: [Invest in Alberta](#)



INDUSTRY 4.0

- 35% of manufacturers in Alberta have implemented digital technologies
- In September 2019, Telus announced a \$16B investment in Alberta over 5 years which will support increased IoT capabilities



CLEAN TECH

- Research efforts have yielded advances towards broader commercialization of geothermal and waste-to-energy technologies
- NAIT's Alternative Energy Technology Program trains specialized workers for roles in renewable energy and energy efficiency industries



METALS & MACHINERY

- Alberta's industrial manufacturing sector supports industrial production and processing such as oil & gas and petrochemicals on both a local and global scale
- Alberta is the second largest metal manufacturing hub in Canada

Source: [Edmonton Global](#)

INFORMATION & COMMUNICATIONS TECHNOLOGIES (ICT)

Alberta has the most extensive public infrastructure per capita in Canada. This includes infrastructure like SuperNet and WestGrid.

Areas of expertise include:



ARTIFICIAL INTELLIGENCE

Alberta is home to 1 of 3 Canadian AI hubs, which includes numerous artificial intelligence startups, research labs/institutes, accelerators/incubators, and investor organizations.

Source: [Invest in Alberta](#)



INTERACTIVE DIGITAL MEDIA

Alberta currently has 55 firms in the video game design and development services industry including some of Canada's largest studios.



GEOMATICS

Alberta is a leader in innovative geomatics technologies, including geophysical services, surveying and mapping.

Source & Figures: [Invest in Alberta](#)

OIL & GAS

Home to one of the world's largest unconventional oil deposits, the oil sands, and has the third largest oil reserves in the world. Also has an abundant supply of low-emission and affordable blue hydrogen, experience in hydrogen production and leadership in carbon capture and storage.

Only 19% of the world's proven oil reserves are accessible to private sector investment (not state controlled) of which **more than half (53%) are in Alberta's oil sands**, which represents considerable investment opportunities in Alberta's oil sands

Source: [Invest in Alberta](#)

PETRO-CHEMICALS

Alberta produces approximately 69 per cent of Canadian natural gas, primarily exporting supply to North America and Eastern Canada by pipeline.

The petrochemicals sector accounts for approximately one-third of Alberta's total manufacturing exports.

Alberta produces 27 per cent of Canada's chemical output.

There is significant potential for investors who are interested in taking advantage of Alberta's vast energy resources and new government development programs to build new petrochemical plants in the province such as the [Alberta Petrochemicals Incentive Program](#), a 10-year grant program launching this fall.

Source: [Invest in Alberta](#)

AEROSPACE

Alberta's aerospace & defence sector offers great investment potential and prospects for business growth. -is home to 100+ companies operating in subsectors, & National airlines, including: Westjet, Canada's largest commercial airlines, & Flair Airlines

Areas of expertise

- remotely piloted aircraft systems
- Aircraft manufacturing
- Maintenance, repair, and overhaul
- Helicopter industry
- Air cargo logistics
- Defence Electronics

Source: [Invest in Alberta](#)

TOURISM

Tourism is one of Alberta's key industries and a growing contributor to the provincial economy, generating more than 36 million visits and more than \$8 billion in annual tourism expenditures.

The Government of Alberta offers investors access to resources, programs and services as they look to develop new and enhanced tourism experiences and destinations.

Source: [Invest in Alberta](#)



Source: 2017 Statistics Canada International Travel Survey, Travel Survey of Residents of Canada

TRADE ALBERTA- WORLD

Table 1: Canada Exports by Province	Calendar year (Value: CAD Millions)					January - October		
	2015	2016	2017	2018	2019	2019 (Jan-Oct)	2020 (Jan-Oct)	% Δ 2020/19 (Jan-Oct)
Total	524,066	516,772	546,087	584,354	592,876	494,911	428,094	-13.5
Ontario	235,524	249,337	240,135	243,663	252,885	211,375	187,021	-11.5
Alberta	92,976	79,862	101,052	118,144	118,083	99,261	75,294	-24.1
Québec	82,098	80,355	85,291	92,427	93,345	77,266	69,352	-10.2
British Columbia	36,378	39,695	44,447	47,409	44,529	37,243	33,235	-10.7
Saskatchewan	32,958	26,530	28,725	30,670	29,350	24,379	25,256	3.6
Manitoba	13,881	13,572	14,022	15,731	16,060	13,344	13,085	-1.9
Newfoundland	9,292	8,440	10,241	13,509	14,786	11,965	8,767	-26.7
New Brunswick	12,232	10,656	12,873	12,649	13,115	10,923	8,418	-22.9
Nova Scotia	5,451	5,343	5,459	5,806	6,152	5,193	4,366	-15.9
Prince Edward Island	1,302	1,322	1,383	1,456	1,705	1,396	1,369	-1.9

Source: Statistics Canada - TDM data; Values in CAD Millions; 2020 Period: January-October

ALBERTA TOTAL EXPORTS (2015-2020)
(VALUE IN MILLIONS)

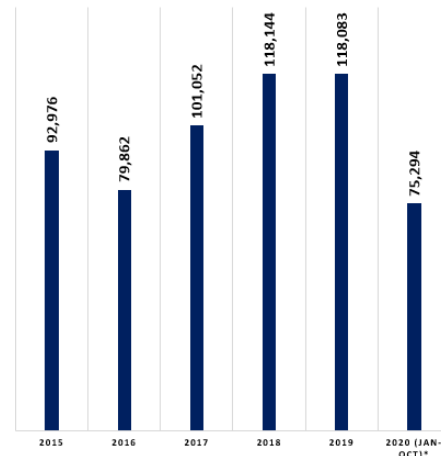


Table 2: Top 5 Categories Exported	Description	Calendar year (Value: CAD Millions)					January - October		
		2015	2016	2017	2018	2019	2019 (Jan-Oct)	2020 (Jan-Oct)	% Δ 2020/19 (Jan-Oct)
_All	All the products	92,976	79,862	101,052	118,144	118,083	99,261	75,294	-24.2
27	Mineral fuels/Oils	63,505	52,526	70,188	83,957	85,382	71,686	49,408	-31.1
39	Plastics	4,389	4,381	4,458	4,793	4,083	3,524	2,968	-15.8
84	Nuclear Machinery	3,438	2,198	2,775	3,420	4,041	3,383	2,382	-29.6
02	Edible meat and offal	2,241	2,221	2,300	2,553	2,929	2,445	2,485	1.6
29	Organic chemicals	2,335	2,084	2,634	3,134	2,523	2,116	1,869	-11.7

Source: Statistics Canada - TDM data; Values in CAD Millions; 2020 Period: January-October

Most Highly Valued Exports by Product Category (%)

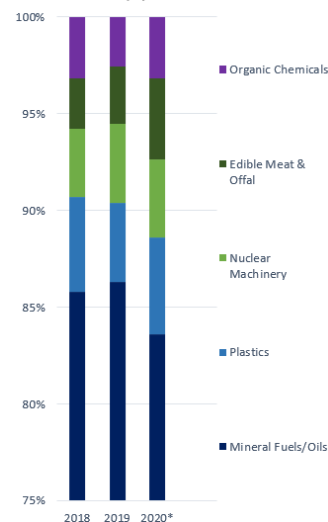


Table 3: Top 5 Export Markets	Calendar year (Value: CAD Millions)					January - October		
	2015	2016	2017	2018	2019	2019 (Jan-Oct)	2020 (Jan-Oct)	% Δ 2020/19 (Jan-Oct)
_World	92,976	79,862	101,052	118,144	118,083	99,261	75,294	-24.2
United States	80,559	68,628	87,549	103,082	103,905	87,413	63,660	-27.2
China	3,380	3,107	4,098	5,294	4,259	3,611	3,748	3.8
Japan	1,613	1,692	1,766	1,964	1,708	1,426	1,633	14.6
Mexico	1,011	941	1,313	1,233	1,093	960	656	-31.6
South Korea	517	364	420	555	627	545	488	-10.3
Italy (14)	206	165	186	164	217	175	170	-3.1

Source: Statistics Canada - TDM data; Values in CAD Millions; 2020 Period: January-October

ALBERTA TOP EXPORT MARKETS (2019)
(Value in %)

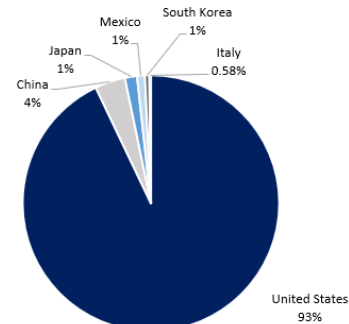


Table 4: Canada Imports by Province	Calendar year (Value: CAD Millions)					January - October		
	2015	2016	2017	2018	2019	2019 (Jan-Oct)	2020 (Jan-Oct)	% Δ 2020/19 (Jan-Oct)
Total in Millions	536,152	533,251	562,029	595,963	601,618	507,704	446,933	-11.9
Ontario	325,431	333,628	346,477	354,567	363,676	305,931	277,560	-9.2
Québec	78,627	73,442	79,078	89,187	89,459	75,921	63,169	-16.8
British Columbia	48,820	48,872	52,068	58,117	56,988	48,515	44,072	-9.1
Alberta	29,299	25,226	27,395	31,368	28,372	24,168	19,540	-19.1
Manitoba	20,761	19,745	21,508	23,006	22,884	19,573	16,773	-14.3
Saskatchewan	10,389	8,991	11,594	11,820	12,529	10,544	8,435	-20.0
New Brunswick	10,563	9,245	11,453	13,030	12,369	10,238	7,687	-24.9
Nova Scotia	8,287	8,160	8,988	10,562	10,579	8,691	7,051	-18.8
Newfoundland	3,778	5,815	3,257	4,267	4,611	4,014	2,550	-36.4
Prince Edward Island	52	66	53	59	78	37	45	19.7

Source: Statistics Canada - TDM data; Values in CAD Millions; 2020 Period: January-October)

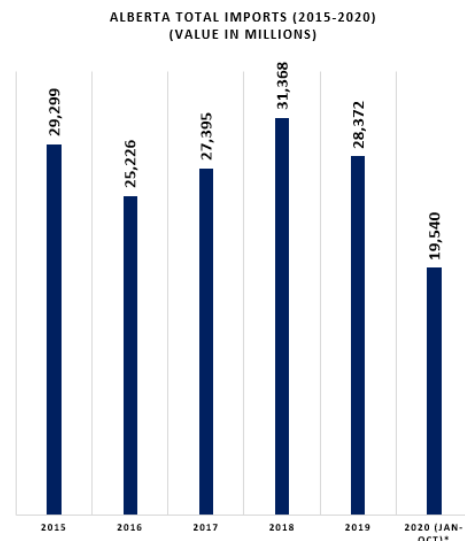


Table 5: Top 5 Categories Imported	Description	Calendar year (Value: CAD Millions)					January - October		
		2015	2016	2017	2018	2019	2019 (Jan-Oct)	2020 (Jan-Oct)	% Δ 2020/19 (Jan-Oct)
_All	All the products	29,299	25,226	27,395	31,368	28,372	24,168	19,540	-19.2
27	Mineral fuels/Oils	5,425	5,533	5,479	7,465	5,298	4,474	3,427	-23.4
84	Nuclear Machinery	5,365	4,278	4,431	4,960	4,893	4,222	3,065	-27.4
85	Electrical Machinery	2,065	1,805	1,877	2,156	2,325	1,958	1,934	-1.2
87	Automobiles, other land vehicles, parts, accessories	1,251	1,029	1,249	1,380	1,363	1,163	800	-31.2
73	Articles of Iron/Steel	1,527	863	1,337	1,592	1,256	1,060	806	-24.0

Source: Statistics Canada - TDM data; Values in CAD Millions; 2020 Period: January-October)

Most Highly Valued Imports by Product Category (%)

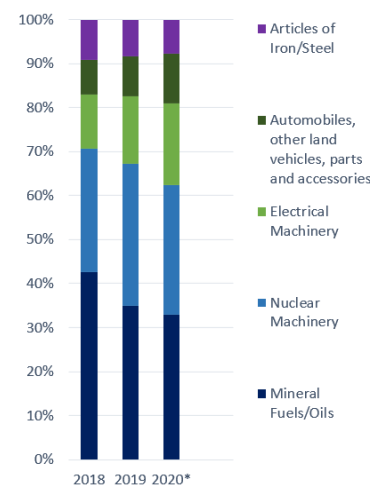
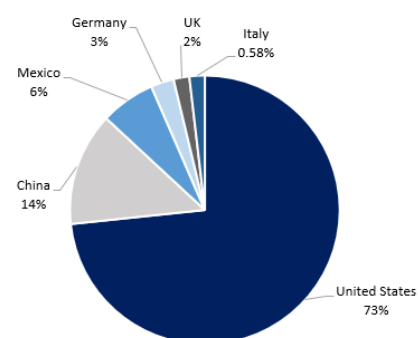


Table 6: Top 5 Import Markets	Calendar year (Value: CAD Millions)					January - October		
	2015	2016	2017	2018	2019	2019 (Jan-Oct)	2020 (Jan-Oct)	% Δ 2020/19 (Jan-Oct)
_World	29,299	25,226	27,395	31,368	28,372	24,168	19,540	-19.2
United States	19,673	16,545	17,757	20,622	17,892	15,274	11,592	-24.1
China	2,922	2,419	3,038	3,416	3,357	2,832	2,806	-0.9
Mexico	1,356	1,536	1,534	1,725	1,631	1,369	1,084	-20.8
Germany	731	549	601	694	663	575	473	-17.6
UK	466	408	409	486	457	394	305	-22.6
Italy (6)	457	371	408	468	443	384	300	-21.9

Source: Statistics Canada - TDM data; Values in CAD Millions; 2020 Period: January-October)

ALBERTA TOP IMPORT MARKETS (2019) (Value in %)



TRADE ALBERTA- ITALY

Alberta Exports > Italy

Table 7: Provincial Exports to Italy	Calendar year (Value: CAD Millions)					January - October		
	2015	2016	2017	2018	2019	2019 (Jan-Oct)	2020 (Jan-Oct)	% Δ 2020/19 (Jan-Oct)
Total	2,281	2,340	2,292	3,110	3,242	2,600	2,986	14.8
Ontario	1,000	984	893	1,447	1,387	1,214	1,341	10.5
Québec	328	437	478	611	622	474	340	-28.3
Newfoundland	40	213	293	552	501	325	599	84.7
Saskatchewan	468	324	191	133	303	230	374	62.7
Alberta	206	165	186	164	217	175	170	-3.1
British Columbia	158	151	163	150	141	120	62	-48.6
Manitoba	49	37	22	25	28	23	22	-4.1
Nova Scotia	19	14	16	17	18	15	12	-17.8
New Brunswick	7	6	44	6	3	3	61	2156.8
Prince Edward Island	5	8	5	4	3	2	4	77.1

Source: Statistics Canada - TDM data; Values in CAD Millions; 2020 Period: January-October

Imports Alberta < Italy

Table 8: Provincial Imports from Italy	Calendar year (Value: CAD Millions)					January - October		
	2015	2016	2017	2018	2019	2019 (Jan-Oct)	2020 (Jan-Oct)	% Δ 2020/19 (Jan-Oct)
Total	7,364	7,539	8,152	8,999	9,471	7,895	7,266	-8.0
Ontario	3,729	3,864	4,197	4,577	4,828	3,992	3,572	-10.5
Québec	2,210	2,325	2,485	2,833	2,916	2,438	2,362	-3.1
British Columbia	626	642	710	774	881	742	670	-9.6
Alberta	457	371	408	468	443	384	300	-21.9
Manitoba	149	141	168	175	180	155	131	-15.5
Nova Scotia	80	75	77	75	102	83	89	7.8
Saskatchewan	79	66	67	68	70	59	87	47.2
Newfoundland	20	37	19	10	26	22	25	16.8
New Brunswick	14	17	19	19	22	19	28	49.8
Prince Edward Island	1	1	1	0	2	2	0	-86.5

Source: Statistics Canada - TDM data; Values in CAD Millions; 2020 Period: January-October

Table 10: Top 5 Exports	Description	Calendar year (Value: CAD Millions)					January - October		
		2015	2016	2017	2018	2019	2019 (Jan-Oct)	2020 (Jan-Oct)	% Δ 2020/19 (Jan-Oct)
All	All the products	206	165	186	164	217	175	170	-3.1
75	Nickel	28	30	32	40	64	57	26	-54.2
10	Cereals	88	68	46	31	55	39	56	41.5
84	Nuclear Machinery	44	24	48	42	43	34	44	28.6
88	Air/Space navigation	0	2	17	14	16	13	12	-8.5
23	prepared food for animals	4	7	11	8	10	8	3	-67.5

Source: Statistics Canada - TDM data; Values in CAD Millions; 2020 Period: January-October

Table 10: Top 5 Imports	Description	Calendar year (Value: CAD Millions)					January - October		
		2015	2016	2017	2018	2019	2019 (Jan-Oct)	2020 (Jan-Oct)	% Δ 2020/19 (Jan-Oct)
All	All the products	457	371	408	468	443	384	300	-21.9
84	Nuclear Machinery	174	139	137	160	157	138	97	-29.6
22	Beverages, alcoholic liquids and vinegars	67	64	66	74	79	67	61	-9.8
73	Articles of iron/steel	67	31	48	67	62	53	37	-29.0
29	Organic chemicals	10	30	38	41	23	23	13	-43.9
85	Electrical Machinery	29	12	17	15	20	16	14	-15.8

Source: Statistics Canada - TDM data; Values in CAD Millions; 2020 Period: January-October

Trade Balance Alberta- Italy

Table 11 - Trade Balance Italy - Canada			
value in CAD Millions			
	2017	2018	2019
Import Canada from Italy	8,151	8,998	9,471
Export Canada To Italy	2,292	3,044	3,242
Total Interchange	1,0443	12042	12713
Balance for Italy	-5859	-5954	-6229

Source: [Trade Data Online - Canada](#)

Trade Balance Italy - Alberta			
value in CAD Millions			
	2017	2018	2019
Import Alberta from Italy	408,123	467,829	442,822
Export Alberta to Italy	177,311	164,406	216,624
Total Interchange	585,434	632,235	659,446
Balance for Italy	-230,912	-303,422	-226,198

ALBERTA: MAJOR PROJECTS & INVESTMENTS

MAJOR INFRASTRUCTURE PROJECTS – OIL & GAS

FRONTIER OIL SANDS MINE PROJECT

Frontier Oil Sands project is a proposed truck-and-shovel oil sands mine located between Fort McMurray and Fort Chipewyan in northeast Alberta.

At full production, Frontier will produce 260,000 barrels per day of bitumen. Frontier is anticipating a 41-year mine life, generating long-term employment and economic activity.

ASPEN OIL SANDS

The Aspen Oil Sands project is a proposed in-situ steam assisted gravity drainage (SAGD) oil sands project. Aspen would produce up to 150,000 barrels of bitumen a day, putting it among the company's largest oil sources. The output would be achieved with two phases.

IMPERIAL OIL'S KEARL MINE

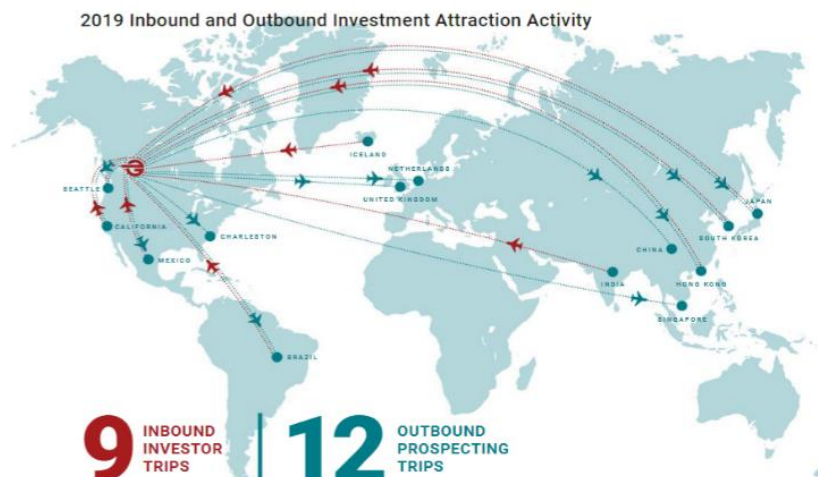
Imperial Oil's Kearl Mine - Started in Q3 2015; Phase 3 completion of the project is expected by 2020. The cost of the project is \$16 billion

LIQUIFIED NATURAL GAS (LNG)

Alberta's natural gas has access to Asian and European markets through two to three additional mega LNG projects by 2030.

Shipping from Canada's West Coast to markets in Asia takes half the time than from the U.S. Gulf Coast (10 days versus 20), while proposed projects in Eastern Canada are six to eight shipping days from Europe, which is less than any other North American LNG projects.

Sources: Export.gov, Government of Alberta



There are [currently over 700 proposed/ and or active projects](#) in Alberta, representing [investments totaling CAD 160 Billion+](#)

- 50 Announced projects and Deals (2019)
- Announced Investment Amount: \$4.2 Billion

CLEAN-TECH INVESTMENTS

The Clean-Tech sector includes several areas of focus, namely: transportation, energy storage, power management, agriculture and process technologies that -apply to many industries. Provincial investments in artificial intelligence, geothermal energy and information technology over the last decade was to make Alberta a magnet for investment in new technology.

Edmonton ranks 3rd in the world for AI/AM Research and Development, is home to major bio-institutes, a renewable energy resource, and material supply chain represents a sustainable base for growth in the clean technology sector or demand for their products.

The local economy is incentivized with a city rebate program to support investment in solar power homes, in addition to a city climate resilience adaptation strategy.

- A total of 125 projects are currently under construction or planned over the next 10 years in Alberta, representing \$190 billion in investment.
- Energy projects account for more than 95 percent of the value of major project investment in the province. New energy projects have increased the total value of projects in the province from \$178 billion to \$190 billion in 2019.

-In 2019, there were 17 clean technology projects included in the Alberta inventory, valued at \$3.2 billion.

-These include a carbon capture and storage projects valued at \$0.6 billion, six wind projects valued at \$1.7 billion, five solar projects valued at \$0.7 billion, four biofuels projects valued at \$0.1 billion, and one low sulfur marine fuel facility valued at \$0.1 billion.

Clean-Tech opportunities

- Low carbon Electricity System
- Energy Efficiency
- Cleaner oil & Gas development
- Green products and services

Sources: Edmonton Industrial, Natural Resources Canada



Image Credit: Edmonton Global



MAJOR TRADE SHOWS



[Alberta Oil Sands Conference](#)



[Global Energy Show Expo & Conference](#)



[Digital Marketing Conference](#)



[NanoCanada International Conference](#)



[Western Manufacturing Technology](#)



[Automation Expo & Conference](#)



[BuildEx Alberta](#)



[FarmTech](#)



[iTech Edmonton](#)



[Global Energy Manufacturing West Expo & Conference](#)



[Edmonton Motor-Show](#)



[Agri-Trade Equipment Expo](#)

USEFUL LINKS

Government of Alberta
Alberta Bureau of Statistics
Alberta Innovates
Invest in Alberta
Alberta Chamber of Commerce
Edmonton Global
Calgary Economic Development
Major Projects Alberta

<https://www.alberta.ca/index.aspx>
<https://www.alberta.ca/office-statistics-information.aspx>
<https://albertainnovates.ca/>
<https://investalberta.ca/>
<http://www.abchamber.ca/>
<https://edmontonglobal.ca/>
<https://calgaryeconomicdevelopment.com/>
<https://majorprojects.alberta.ca/#/>

For More information, visit:

ICE NEWS

<https://www.ice.it/it/news>

Anteprima Grandi Progetti

<https://www.ice.it/it/area-clienti/ricerche/anteprima-grandi-progetti?idPaese=39>

Gare Internazionali

<https://www.ice.it/it/area-clienti/ricerche/gare-internazionali?idPaese=388>

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