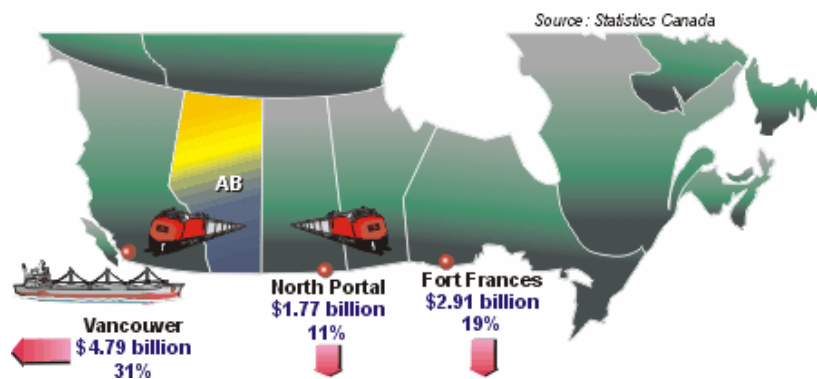


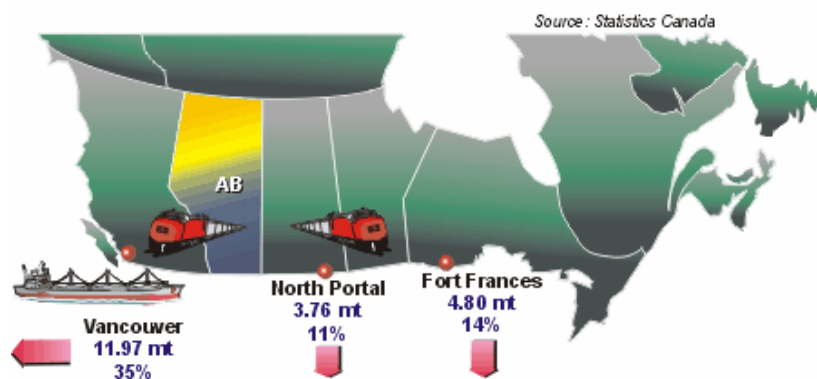
2004 Alberta Transportation and Trade Report

Alberta Rail / Marine & Intermodal Trade

2004 Top 3 Gateways for Alberta International Exports by Rail/Marine & Intermodal (ranked by value)



2004 Top 3 Gateways for Alberta International Exports by Rail/Marine & Intermodal (ranked by weight)



- Since Alberta is an inland province, large volume of goods are moved to and from ports by rail. Intermodal transportation utilizes two or more transportation modes for transporting freight. Container movement is a good example of intermodal transportation.

- In 2004, Alberta exported \$15.45 billion of goods by rail/marine and intermodal.

- \$6.44 billion or 42% of the goods were moved to the west of Alberta for export.

- Of all the ports that make up the British Columbia Ports System, the Port of Vancouver handled \$4.79 billion or 31% of the total Alberta exports by rail/marine and intermodal.

- In 2004, Alberta exported 34.41 million tonnes of goods by rail/marine and intermodal.

- 11.97 million tonnes of 35% of the goods were moved to the west of Alberta for exports.

- Of all the ports that make up the British Columbia Ports System, the Port of Vancouver handled 11.47 million tonnes or 33% of the total Alberta exports by rail/marine and intermodal.

2004 Alberta International Exports by Rail/Marine & Intermodal-Top 10 Countries of Destination (ranked by value)



Rank	Country	Million \$	Value %	Rank	Country	Million \$	Value %
1	United States	9,935	64	6	Belgium	203	1
2	China	1,284	8	7	Netherlands	196	1
3	Japan	1,183	8	8	United Kingdom	159	1
4	S. Korea	350	2	9	Taiwan	156	1
5	Mexico	262	2	10	Italy	121	1

- The total value of Alberta's 2004 international rail/marine and intermodal exports was \$15.45 billion.
- By value, the top 10 countries of destination accounted for \$13.85 billion or 90% of Alberta's international rail/marine and intermodal exports.
- The U.S. was the number one country of destination by value, with \$9.93 billion or 64% of Alberta's international rail/marine and intermodal export market. Countries such as China, Japan, South Korea, and Mexico helped to diversify Alberta's rail/marine and intermodal exports.

2004 Alberta International Exports by Rail/Marine & Intermodal-Top 10 Countries of Destination (ranked by weight)



Rank	Country	Kilotonnes	Weight %	Rank	Country	Kilotonnes	Weight %
1	United States	21,650	63	6	Brazil	412	1
2	China	3,119	9	7	Italy	324	1
3	Japan	2,992	9	8	Indonesia	318	1
4	Mexico	1,178	3	9	Philippines	285	1
5	S. Korea	580	2	10	Cuba	241	1

- The total volume of Alberta's 2004 international rail/marine and intermodal exports was 34.41 million tonnes.
- By weight, the top 10 countries of destination accounted for 31.10 million tonnes or 90% of Alberta's international rail/marine and intermodal exports.
- The U.S. was the number one country of destination by volume, with 21.65 million tonnes or 63% of Alberta's international rail/marine and intermodal export market. Countries such as China, Japan, Mexico, and South Korea helped to diversify Alberta's rail/marine and intermodal exports.

2004 Alberta International Exports by Rail/Marine & Intermodal- Top 10 Commodities (ranked by value)













Top 10 Commodities		Million \$	%
	mineral fuels	3,952	26
	plastics	1,964	13
	wood	1,606	10
	organic chemicals	1,543	10
	pulp products	1,237	8
	cereals	1,058	7
	nickel products	556	4
	oil seeds	475	3
	inorganic chemicals	311	2
	fertilizers	304	2

- The top 10 commodities exported to foreign countries by rail/marine and intermodal accounted for \$13.00 billion or 84% of the total \$15.45 billion.
- By value, the most significant rail/marine and intermodal export commodities transported were mineral fuels, plastics, and wood.

2004 Alberta International Exports by Rail/Marine & Intermodal- Top 10 Commodities (ranked by weight)













Top 10 Commodities		Kilotonnes	%
	mineral fuels	12,524	36
	cereals	4,695	14
	mineral compounds	3,198	9
	wood	2,488	7
	pulp products	2,124	6
	plastics	1,773	5
	organic chemicals	1,772	5
	oil seeds	1,349	4
	fertilizers	1,345	4
	inorganic chemicals	1,009	3

- The top 10 commodities exported to foreign countries by rail/marine and intermodal accounted for 32.28 million tonnes or 94% of the total 34.41 million tonnes.
- By weight, the most significant rail/marine and intermodal export commodities transported were mineral fuels, cereals, and minerals.

2004 Alberta International Exports by Rail/Marine & Intermodal via the Port of Vancouver-Top 10 Commodities (ranked by value)













Top 10 Commodities	Million \$	%
 mineral fuels	738	15
 pulp products	721	15
 organic chemicals	642	13
 cereals	528	11
 oil seeds	378	8
 meat products	274	6
 mineral compounds	219	5
 plastics	187	4
 misc. metal products	165	3
 nickel products	154	3

- In 2004, the Port of Vancouver handled \$4.79 billion or 31% of Alberta's international export value by rail/marine and intermodal.
- The top 10 commodities exported to foreign countries by rail/marine and intermodal from Alberta through the Port of Vancouver accounted for \$4.01 billion or 84% of the total \$4.79 billion.
- By value, the most significant rail/marine and intermodal export commodities transported through the Port of Vancouver were mineral fuels, pulp products, and organic chemicals.

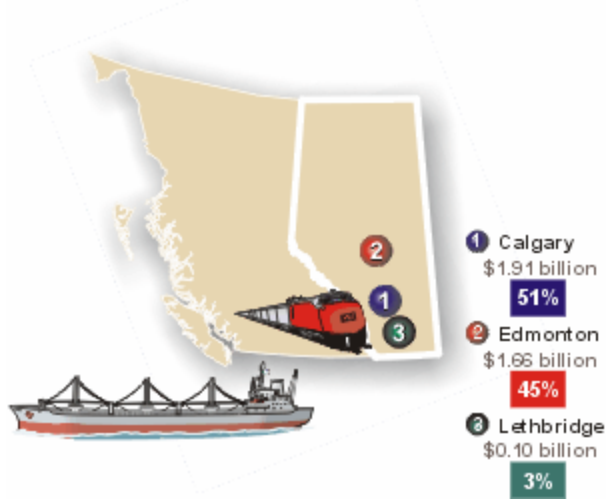
2004 Alberta International Exports by Rail/Marine & Intermodal via the Port of Vancouver-Top 10 Commodities (ranked by weight)



Top 10 Commodities	Kilotonnes	%
 mineral fuels	3,158	26
 cereals	2,373	20
 mineral compounds	2,139	18
 pulp products	1,268	11
 oil seeds	1,103	9
 organic chemicals	612	5
 milling products	213	2
 plastics	195	2
 fertilizers	141	1
 wood	117	1

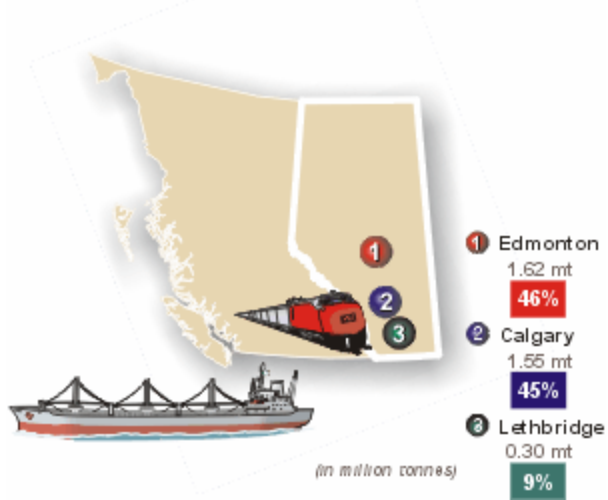
- In 2004, the Port of Vancouver handled 11.97 million tonnes or 35% of Alberta's international export volume by rail/marine and intermodal.
- The top 10 commodities exported to foreign countries by rail/marine and intermodal from Alberta through the Port of Vancouver accounted for 11.32 million tonnes or 95% of the total 11.97 million tonnes in volume.
- By weight, the most significant rail/marine and intermodal export commodities transported through the Port of Vancouver were mineral fuels, cereals, and minerals.

2004 Top 3 Gateways for Alberta International Imports by Rail/Marine & Intermodal (ranked by value)



- Total Alberta international rail/marine and intermodal imports were \$3.71 billion in 2004.
- The top 3 gateways accounted for nearly 100% of this total.
- Calgary and Edmonton, with the bulk of the province's population and intermodal facilities, represent the principal gateways for rail/marine and intermodal import merchandise.

2004 Top 3 Gateways for Alberta International Imports by Rail/Marine & Intermodal (ranked by weight)



- Total Alberta international rail/marine and intermodal imports were 3.48 million tonnes in 2004.
- The top 3 gateways accounted for 3.47 million tonnes or nearly 100% of this total.
- By weight, 46% of the rail/marine and intermodal imports cleared customs at Edmonton and 45% at Calgary.

2004 Alberta International Imports by Rail/Marine & Intermodal-Top 10 Countries of Origin (ranked by value)



Rank	Country	Million \$	Value %	Rank	Country	Million \$	Value %
1	United States	2,277	61	6	Denmark	75	2
2	China	332	9	7	Mexico	68	2
3	United Kingdom	134	4	8	Taiwan	58	2
4	Italy	105	3	9	France	55	1
5	Germany	99	3	10	S. Korea	54	1

- The total value of Alberta's 2004 international rail/marine and intermodal imports was \$3.71 billion.
- By value, the top 10 countries of origin accounted for \$3.26 billion or 88% of Alberta's international rail/marine and intermodal imports.
- The U.S. was the number one country of origin by value, with \$2.28 billion or 61% of Alberta's international rail/marine and intermodal import market. Alberta also imports from countries such as China, United Kingdom, Italy, and Germany to increase the selection of goods in Alberta.

2004 Alberta International Imports by Rail/Marine & Intermodal-Top 10 Countries of Origin (ranked by weight)













Rank	Country	Kilotonnes	Weight %	Rank	Country	Kilotonnes	Weight %
1	United States	2,910	84	6	Brazil	25	1
2	China	179	5	7	France	24	1
3	Mexico	40	1	8	United Kingdom	22	1
4	Italy	35	1	9	S. Korea	20	1
5	Germany	34	1	10	Argentina	20	1

- The total volume of Alberta's 2004 international rail/marine and intermodal imports was 3.48 million tonnes.
- By weight, the top 10 countries of origin accounted for 3.31 million tonnes or 95% of Alberta's international rail/marine and intermodal imports.
- The U.S. was the number one country of origin by volume, with 2.91 million tonnes or 84% of Alberta's international rail/marine and intermodal import market. Alberta also imports from countries such as China, Mexico, Italy, and Germany to increase the selection of goods in Alberta.

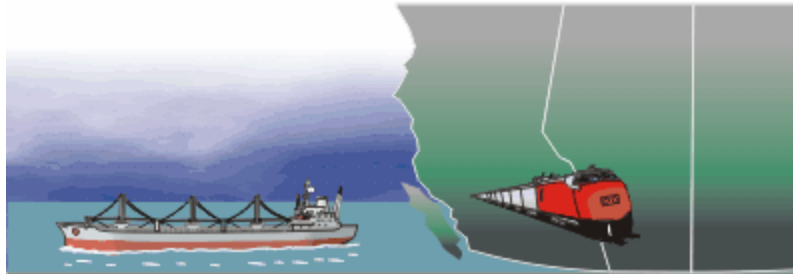
2004 Alberta International Imports by Rail/Marine & Intermodal- Top 10 Commodities (ranked by value)













Top 10 Commodities		Million \$	%
 machinery	523	14	
 iron/steel products	429	12	
 organic chemicals	426	11	
 iron and steel	308	8	
 plastics	231	6	
 electronic machinery	230	6	
 vehicles/parts	228	6	
 misc. chemicals	169	5	
 mineral fuels	93	3	
 rubber products	87	2	

- The top 10 commodities imported from foreign countries by rail/marine and intermodal accounted for \$2.72 billion or 73% of the total \$3.71 billion.
- By value, the most significant rail/marine and intermodal import commodities transported were machinery, iron or steel products, and organic chemicals.

2004 Alberta International Imports by Rail/Marine & Intermodal- Top 10 Commodities (ranked by weight)

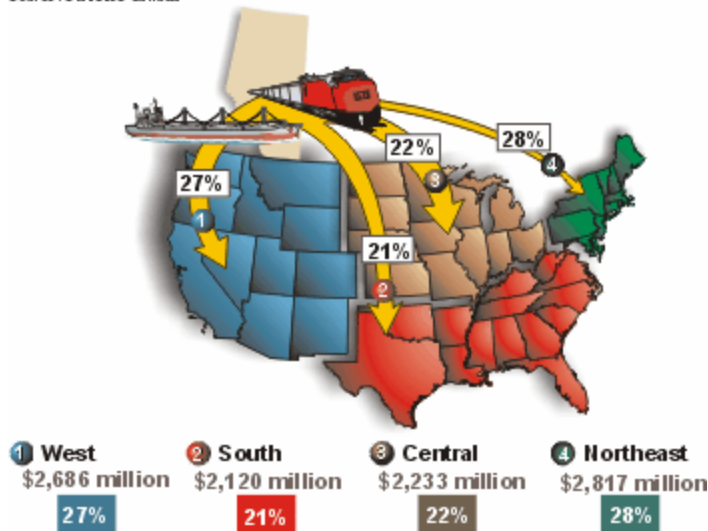


Top 10 Commodities	Kilotonnes	%
 mineral compounds	506	15
 iron and steel	384	11
 iron/steel products	325	9
 organic chemicals	281	8
 mineral fuels	275	8
 wood	260	7
 food industry waste	159	5
 machinery	148	4
 plastics	139	4
 inorganic chemicals	136	4

- The top 10 commodities imported from foreign countries by rail/marine and intermodal accounted for 2.61 million tonnes or 75% of the total 3.48 million tonnes.
- By weight, the most significant rail/marine and intermodal import commodities transported were minerals, iron or steel, as well as iron or steel products.

2004 Alberta Rail/Marine & Intermodal Exports to the U.S. by Region (value)

Source: Statistics Canada

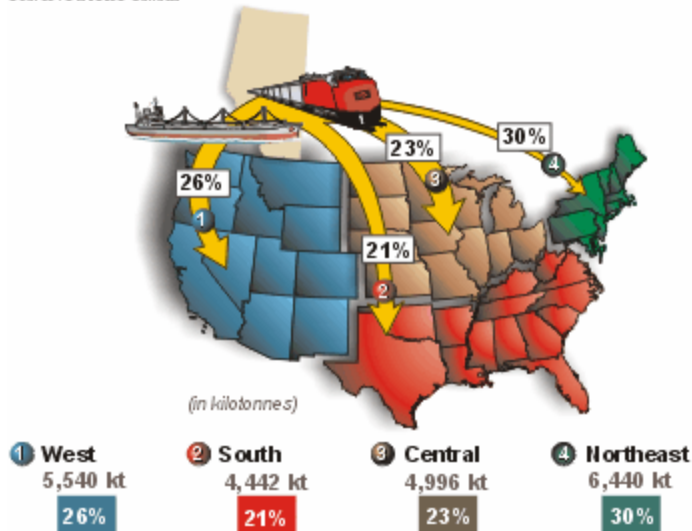


*U.S. regions outside the 48 continental states account for \$79 million and 1% of total Alberta export value by rail/marine & intermodal.

- Of the \$9.93 billion of exports to the U.S. by rail/marine and intermodal, 28% were destined for states in the northeastern region, 27% for the western states, and 22% for states in the central region.

2004 Alberta Rail/Marine & Intermodal Exports to the U.S. by Region (weight)

Source: Statistics Canada

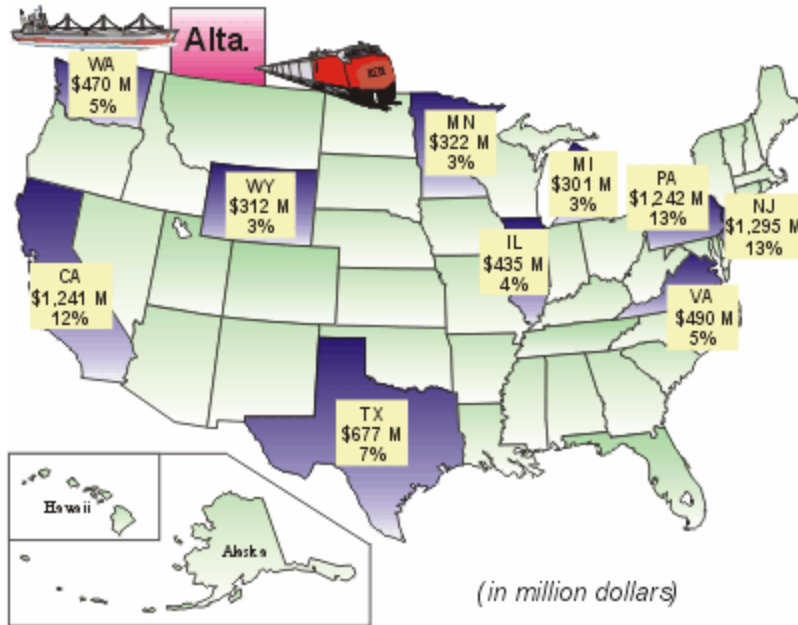


*U.S. regions outside the 48 continental states account for 232 kilotonnes and 1% of total Alberta export tonnage by rail/marine & intermodal.

- Of the 21.65 million tonnes of exports to the U.S. by rail/marine and intermodal, 30% were destined for states in the northeastern region, 26% for the western states, and 23% for states in the central region.

2004 Alberta Exports to the U.S. by Rail/Marine & Intermodal- Top 10 States of Destination (ranked by value)

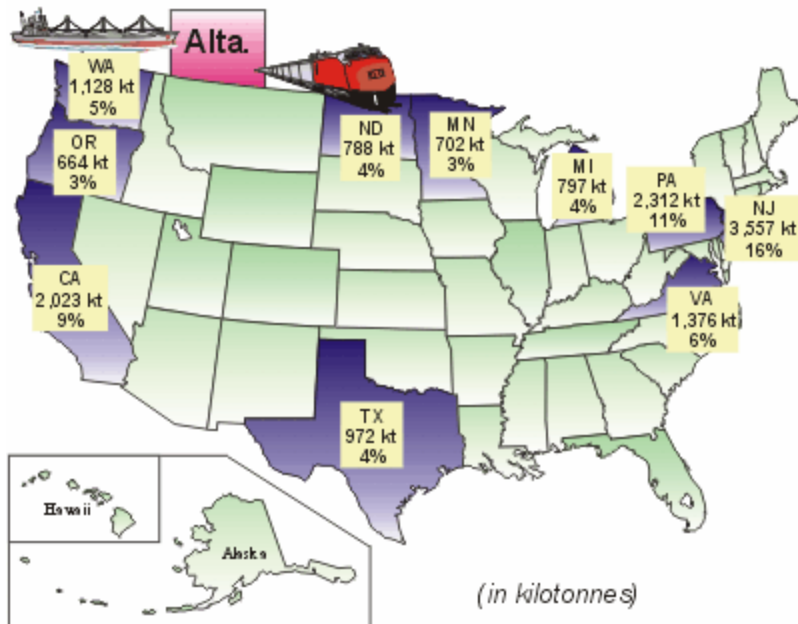
Source : Statistics Canada



- In 2004, Alberta exported \$9.93 billion of goods to the U.S. by rail/marine and intermodal.
- The top 10 states of destination accounted for \$6.78 billion or 68% of this total.
- By value, 13% of the rail/marine and intermodal exports to the U.S. destined for New Jersey, followed by Pennsylvania 13% and California 12%.

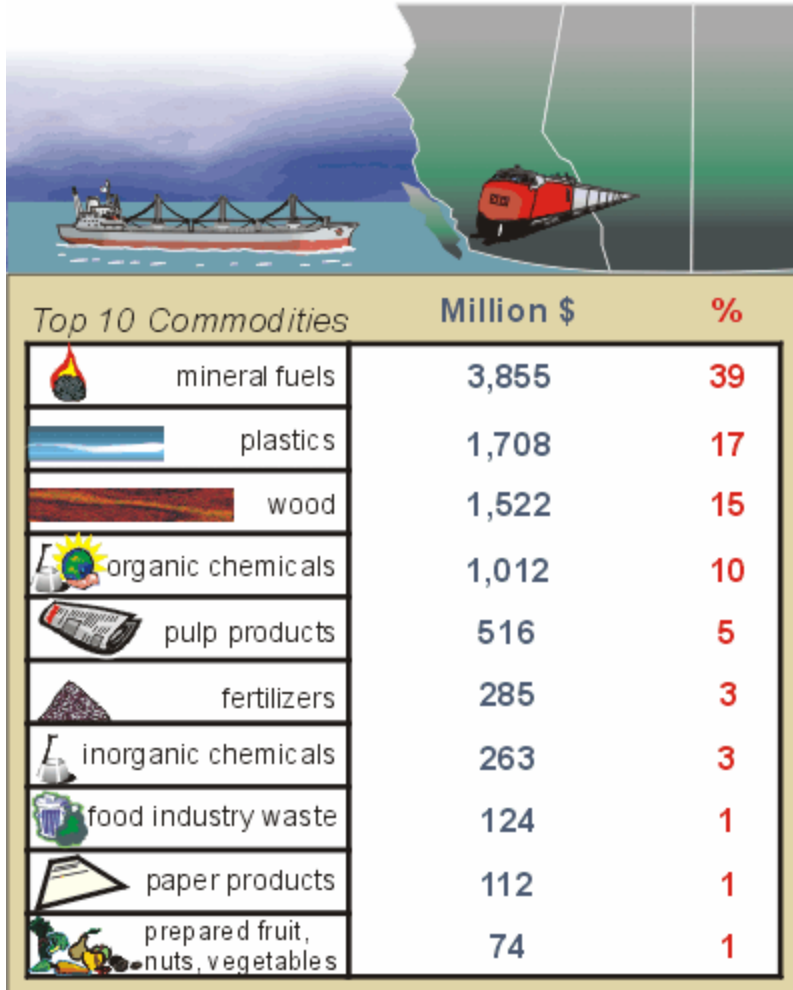
2004 Alberta Exports to the U.S. by Rail/Marine & Intermodal- Top 10 States of Destination (ranked by weight)

Source : Statistics Canada



- In 2004, Alberta exported 21.65 million tonnes of goods to the U.S. by rail/marine and intermodal.
- The top 10 states of destination accounted for 14.32 million tonnes or 66% of this total.
- By weight, 16% of the rail/marine and intermodal exports to the U.S. destined for New Jersey, followed by Pennsylvania 11% and California 9%.


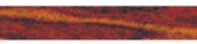








**2004 Top 10 Commodities Alberta Exports to the U.S.
by Rail/Marine & Intermodal (ranked by value)**



- The top 10 commodities exported to the U.S. by rail/marine and intermodal accounted for \$9.47 billion or 95% of the total \$9.93 billion.
- By value, the most significant rail/marine and intermodal export commodities transported to the U.S. were mineral fuels, plastics, and wood.

**2004 Top 10 Commodities Alberta Exports to the U.S.
by Rail/Marine & Intermodal (ranked by weight)**

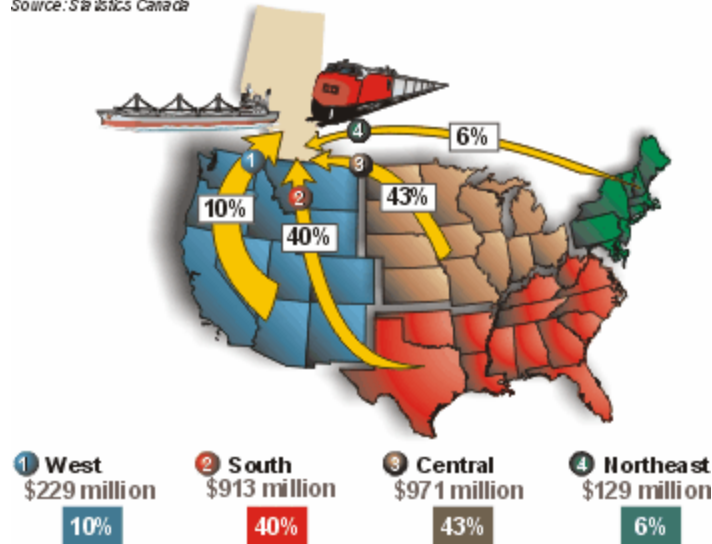


Top 10 Commodities	Kilotonnes	%
 mineral fuels	10,810	50
 wood	2,373	11
 plastics	1,519	7
 organic chemicals	1,317	6
 fertilizers	1,261	6
 mineral compounds	1,064	5
 inorganic chemicals	926	4
 pulp products	856	4
 food industry waste	470	2
 cereals	281	1

- The top 10 commodities exported to the U.S. by rail/marine and intermodal accounted for 20.88 million tonnes or 96% of the total 21.65 million tonnes.
- By weight, the most significant rail/marine and intermodal export commodities transported to the U.S. were mineral fuels, wood, and plastics.

2004 Alberta Rail/Marine & Intermodal Imports from the U.S. by Region (value)

Source: Statistics Canada

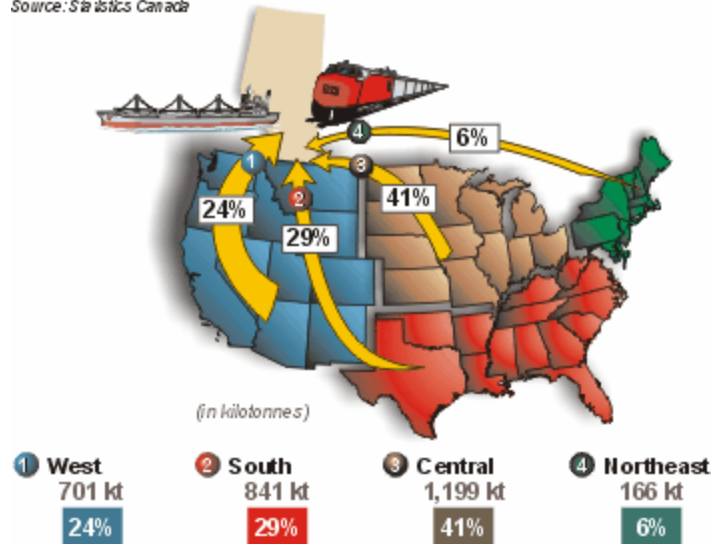


- Of the \$2.28 billion of imports from the U.S. by rail/marine and intermodal, 43% originated from states in the central region, 40% from the southern states, and 10% from states in the western region.

*U.S. regions outside the 48 continental states account for \$34 million and 2% of total Alberta import value by rail/marine & intermodal.

2004 Alberta Rail/Marine & Intermodal Imports from the U.S. by Region (weight)

Source: Statistics Canada

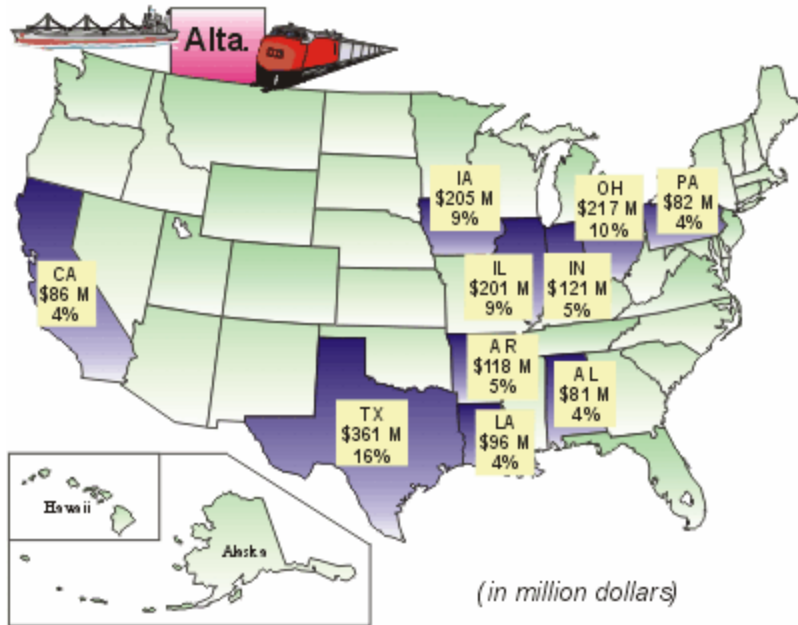


- Of the 2.91 million tonnes of imports from the U.S. by rail/marine and intermodal, 41% originated from states in the central region, 29% from the southern states, and 24% from states in the western region.

*U.S. regions outside the 48 continental states account for 4 kilotonnes and <1% of total Alberta import tonnage by rail/marine & intermodal.

2004 Alberta Imports from the U.S. by Rail/Marine & Intermodal- Top 10 States of Origin (ranked by value)

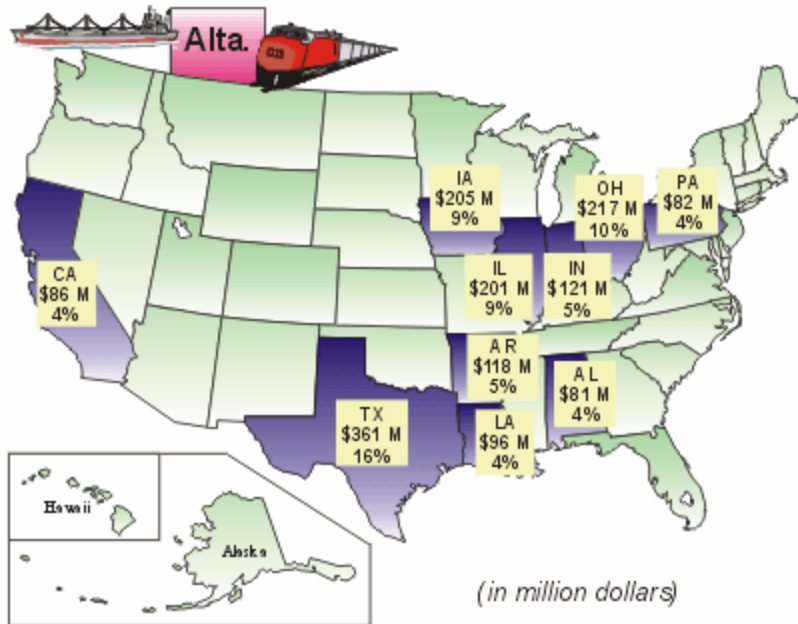
Source : Statistics Canada



- In 2004, Alberta imported \$2.28 billion of goods from the U.S. by rail/marine and intermodal.
- The top 10 states of origin accounted for \$1.57 billion or 69% of this total.
- By value, 16% of the rail/marine and intermodal imports from the U.S. originated from Texas, followed by Ohio 10% and Iowa 9%.

2004 Alberta Imports from the U.S. by Rail/Marine & Intermodal- Top 10 States of Origin (ranked by value)











Source : Statistics Canada



- In 2004, Alberta imported 2.91 million tonnes of goods from the U.S. by rail/marine and intermodal.
- The top 10 states of origin accounted for 1.88 million tonnes or 65% of this total.
- By weight, 15% of the rail/marine and intermodal exports to the U.S. originated from Texas, followed by Montana 8% and Illinois 8%.

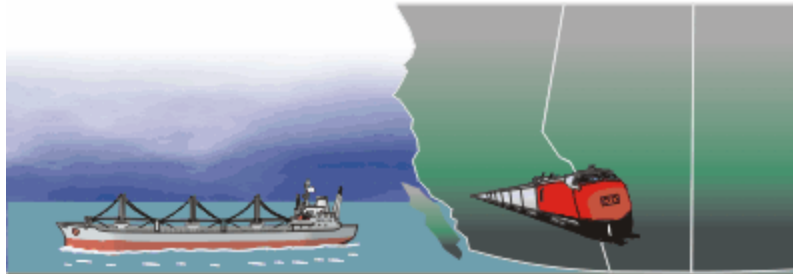
2004 Top 10 Commodities Alberta Imports from the U.S. by Rail/Marine & Intermodal (ranked by value)













Top 10 Commodities	Million \$	%
 organic chemicals	300	13
 iron and steel	290	13
 machinery	271	12
 iron/steel products	243	11
 plastics	179	8
 vehicle parts	162	7
 misc. chemicals	112	5
 mineral fuels	93	4
 paper products	70	3
 mineral compounds	66	3

- The top 10 commodities imported from the U.S. by rail/marine and intermodal accounted for \$1.78 billion or 78% of the total \$2.28 billion.
- By value, the most significant rail/marine and intermodal import commodities transported from the U.S. were organic chemicals, iron or steel, and machinery.

2004 Top 10 Commodities Alberta Imports from the U.S. by Rail/Marine & Intermodal (ranked by weight)



Top 10 Commodities	Kilotonnes	%
 mineral compounds	501	17
 iron/steel	365	13
 mineral fuels	272	9
 organic chemicals	265	9
 wood	217	7
 iron/steel products	200	7
 food industry waste	159	5
 inorganic chemicals	124	4
 cereals	122	4
 plastics	116	4

- The top 10 commodities imported from the U.S. by rail/marine and intermodal accounted for 2.34 million tonnes or 80% of the total 2.91 million tonnes.
- By weight, the most significant rail/marine and intermodal import commodities transported from the U.S. were minerals, iron or steel, and mineral fuels.