

**Analysis of the Economic Contribution
of the
Northern Alberta Development Council region
to Alberta and Canada**

Submitted to

Northern Alberta Development Council

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By

STG *Group International Inc.*

DISCLAIMER

The study, on which this report is based, was funded by the Northern Alberta Development Council.

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Executive Summary

The geographical area covered by the Northern Alberta Development Council (the NADC region) is roughly 60% of Alberta's land but shares only 9% of the population in the province. Yet the NADC region, rich in agriculture, forestry and energy resources, has been a major driving force of the economies of Alberta and Canada.

Most economic statistics, however, are collected either at a national or provincial level and economic statistics showing the NADC region's contribution to the economies of Alberta and Canada are scarce.

This report presents a set of estimates that will show the NADC region's economic contribution to Alberta and Canada in the following areas:

- Population,
- International and interprovincial trade,
- Investment,
- Materials and supplies purchased for production and investment,
- Employment earnings, and
- Government revenues.

Major findings about the NADC region's economic contribution are:

Population

- From 2000 to 2008, the NADC region's population grew 27% while Alberta's population grew 19%.
- Now the NADC region shares 9% of Alberta's population.

Exports

- In 2007, the NADC region exported \$31 billion of goods and services to foreign countries. This was 35% of Alberta's international exports.
- In 2005, the NADC region exported \$7 billion of goods and services to other provinces. This was 15% of Alberta's interprovincial exports.

Investment

- \$31 billion (32% of Alberta's total public and private investment) was invested in the NADC region in 2008 compared to \$11 billion (27%) in 2002.
- \$74 billion was invested in the NADC region just for the construction of oilsands plant and a total of \$42 billion was spent on operations of oil sands plants, in the period from 1997 to 2007.

Materials and Supplies

- Manufacturing firms in the NADC region spends \$1.5 to \$2.0 billion a year on materials and supplies for their production.
- In the period from 1997 to 2007, oilsands development and operations created a total demand of \$48 billion in Alberta, \$7 billion in the rest of Canada and \$18 billion in foreign countries for goods, services and labour in the NADC region.
- In the period from 1997 to 2007, a total of \$42 billion was spent on the operations of oilsands plants in the NADA region and created a total demand of \$34 billion in Alberta, \$2 billion in other provinces and \$6 billion in foreign countries.

Government revenues

- In 2007, municipal governments in the NADC region received total revenue of \$1.2 billion. This was 14% of the total revenue of all municipal governments in Alberta.
- In the 2007-08 fiscal year, the NADC region contributed \$8 billion to the revenue of the Government of Alberta. This was 24% of the total amount of revenue of the Government of Alberta.
- In 2006, the NADC region contributed \$4 billion to the revenue of the Government of Canada. This was 12% of the total amount of the revenue "from Alberta" of the Government of Canada.

Earnings

- In 2005, the median family income in Census Division 16 (Fort McMurray) was \$128 thousand that was much higher than \$77 thousand, the median family income in Alberta as a whole.

Table 7.1
Economic Contribution of the NADC Region - Summary

Economic Contributions	Year	Total Contributions (\$ Million)			Per Capita (\$)	
		NADC Region	Alberta	NADC as % of Alberta	NADC Region	Alberta
International exports	2002	17,675	56,536	31.3	66,489	18,881
	2007	31,208	90,362	34.5	97,870	26,938
Interprovincial exports	2000	5,237	34,952	15.0	20,744	12,137
	2005	7,133	48,386	14.7	24,329	15,205
Municipal government revenues	2002	617	6,800	9.1	2,321	2,271
	2007	1,247	9,154	13.6	3,911	2,729
Alberta government revenues	2002	5,430	20,588	26.4	20,426	6,876
	2007	8,253	35,121	23.5	25,882	10,470
Federal government revenues	2002	2,492	22,672	11.0	9,375	7,571
	2006	4,043	33,072	12.2	13,414	10,199
Capital investment	2002	11,127	41,928	26.5	41,856	14,002
	2008	30,913	97,995	31.5	96,329	28,544
Demand for manufacturing supplies	2000	1,249	29,680	4.2	4,947	10,306
	2008	1,589	44,630	3.6	4,953	13,000
Median family income (\$)*	2000	104,080	69,561	149.6		
	2005	127,959	76,526	167.2		

Source: Various tables in this report.

Notes: * Median family income in Census Division 16 (Fort McMurray) represents the NADC region.

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1.0 Introduction

1.1 Background

The geographical area covered by the Northern Alberta Development Council (the NADC region) is roughly 60% of Alberta's land but shares only 9% of the population in the province. Yet the NADC region, rich in agriculture, forestry, mining and energy resources, has been a major driving force of the economies of Alberta and Canada.

Most economic statistics, however, are collected either at a national or provincial level and economic statistics showing the NADC region's contribution to the economies of Alberta and Canada are scarce.

This report presents a set of estimates that will show the NADC region's economic contribution to Alberta and Canada in the following areas:

- Population,
- International and interprovincial trade,
- Investment,
- Materials and supplies purchased for production and investment,
- Employment earnings, and
- Government revenues.

1.2 Definitions and Methods

The NADC region is defined as the area of the municipalities that are covered by the Northern Alberta Development Council (see Appendix 1).

The NADC region's economic contribution is the value of economic activity that takes place within the NADC region.

Therefore, the statistics referring to the contribution from the region do not include investment, expenditures or revenues to governments generated by economic activity or multiplier effects occurring outside of the region in support of the development and operation of oil sands, forestry, and oil and gas plants, such as engineering, administration and upgrading of northern resource products.

This report compiles statistics for the NADC region when regional statistics are available such as population, local government revenue, employment earnings and oil sands investment. When regional statistics are not available, the NADC region's contribution is estimated by allocating the value for Alberta as a whole to the NADC region. For example, to estimate the NADC region's export of natural gas, the NADC region's percentage share of natural gas production in Alberta is calculated. Then, this percentage is multiplied to Alberta's total export of natural gas to estimate the NADC region's export. Such an indicator that is used to allocate Alberta total to the NADC region is called a Regional Proportion Indicator (RPI).

The choice of the RPI for each category of the NADC region's contribution is important and explained in Appendix.

To see how the NADC region's contribution to Alberta and Canada changes over time, the NADC region's contribution is estimated, in principle, for the period from 2002 to 2012. For most categories of statistics, the values for Alberta as a whole are actual statistics for the

period from 2002 to 2007 or 2008 and forecasts for the period from 2008 or 2009 to 2012. Appendix explains how forecasts are made.

1.3 Population

The NADC region is the home of oilsands development in Canada. As the pace of oilsands development continued at a rapid pace over the last decade, the population in the NADC region also continued to increase.

- In 2009, the population in the NADC region was 321 thousand, roughly 9.3% of the total population of Alberta.
- The population in the NADC region grew faster than that of Alberta as whole from 2000 to 2008: the NADC region grew 27.1% while Alberta grew 19.2%.
- It is expected that the population in the NADC region will reach 348 thousand by 2012; roughly 9.6% of Alberta's population.

Table 1.1
Population in the NADC Region, 2000 and 2008

Municipalities	2000	2008	%increase 2008/ 2000
Cities	35,962	50,227	39.7
Special Municipalities	59,386	98,133	65.2
Municipal Districts	64,288	67,713	5.3
Towns	69,563	77,946	12.1
Villages	5,128	5,032	- 1.9
Summer Villages	837	1,290	54.1
Improvement Districts	10	422	
Metis Settlements	5,294	5,956	12.5
First Nations	11,992	14,187	18.3
NADC Total	252,460	320,906	27.1
Total Alberta Population	2,879,743	3,433,145	19.2
NADC as % of Alberta	8.8	9.3	

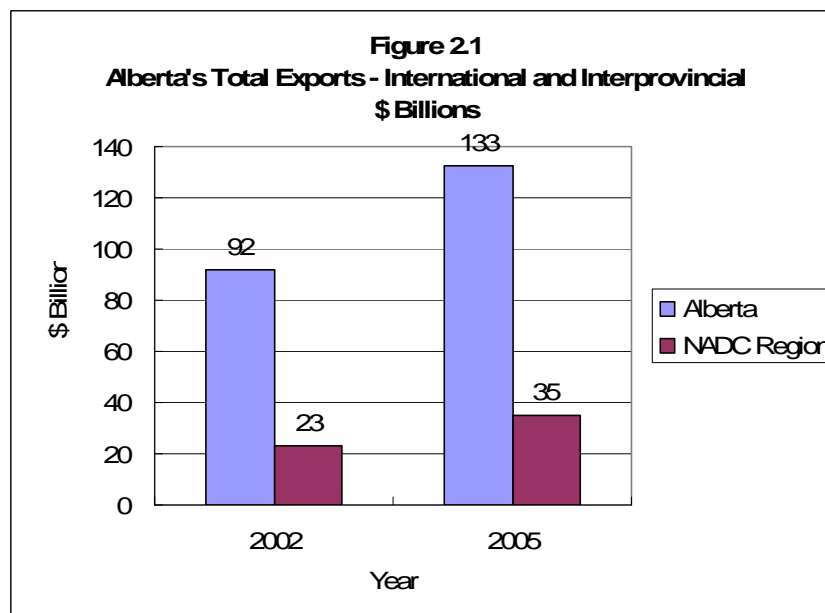
Source: Alberta Municipal Affairs, Alberta's Official Population 2000 to 2008

2.0 NADC region's Contribution to Alberta's Exports

The NADC region is a major producer of oil, natural gas, forest products, and agricultural products in the province. These industries in the NADC region are highly export-oriented and have been major contributors to Alberta's exports. The NADC region's contribution to Alberta's exports has been much larger than its population share of about nine percent.

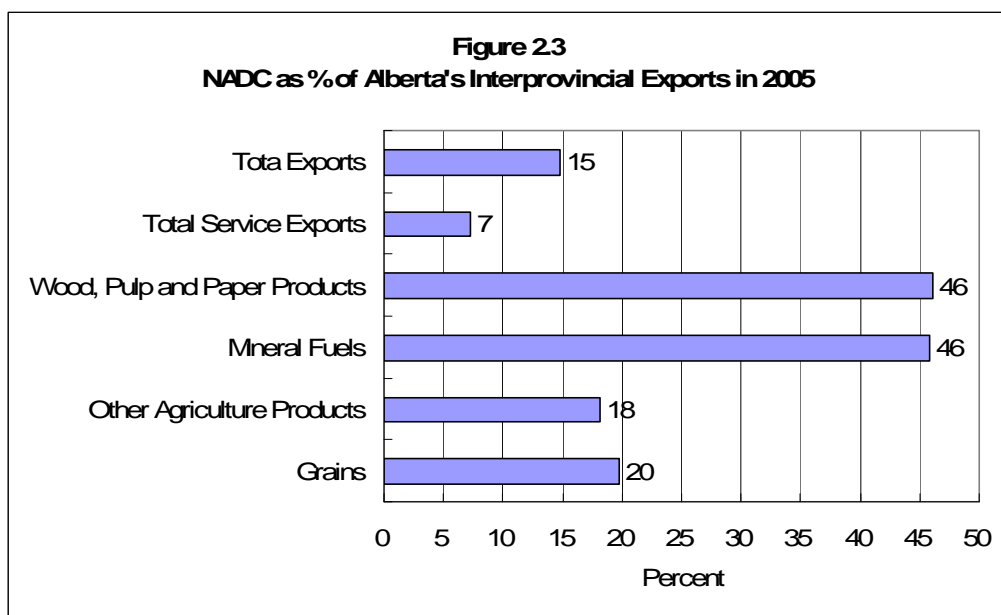
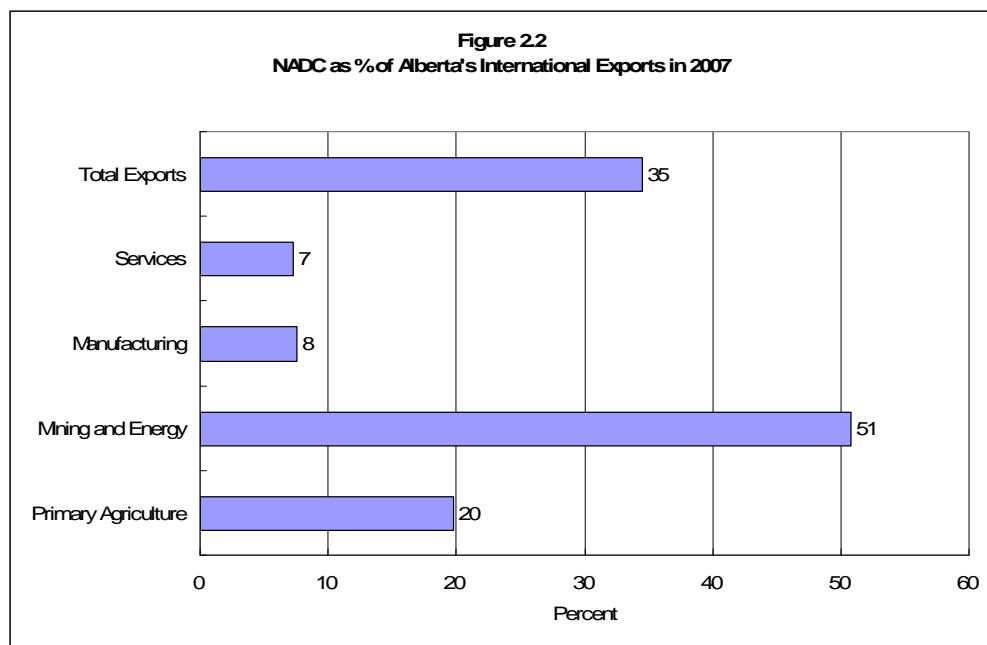
- In 2007, the NADC region's international exports reached \$31 billion. This was 35% of Alberta's international exports.

- In 2007, the NADC region's share of international exports was 8% for manufacturing, and 7% for services.
- In 2007, the NADC region counted for 51% of Alberta's international exports of mining and energy products such as oil, natural gas, natural gas condensates, and sulfur.
- In 2007, the NADC region counted for 20% of Alberta's international exports of primary agriculture products such as grains, canola, hay, live cattle and calves, and live pigs.
- The value of NADC region's exports in the future is hard to forecast because of the difficulty associated with price forecasts for energy products such as oil and natural gas. However, given the trend in the last ten years or so, the NADC region is expected to maintain its high share of both Alberta's international and interprovincial trade.



Sources: Statistics Canada, Provincial Economic Accounts and estimates and forecasts by GTS Group International.

- In 2005, the NADC region's total exports (international plus interprovincial) reached \$35 billion. This was 26% of total Alberta exports.
- In 2005, the NADC region's interprovincial exports reached \$7 billion. This was 15% of Alberta's interprovincial exports.
- In 2005, the NADC region's share of interprovincial exports by category was 20% for grains, 18% for other primary agriculture, 46% for mineral fuels and 46% for forest products.



Source: Estimates by GTS Group International.

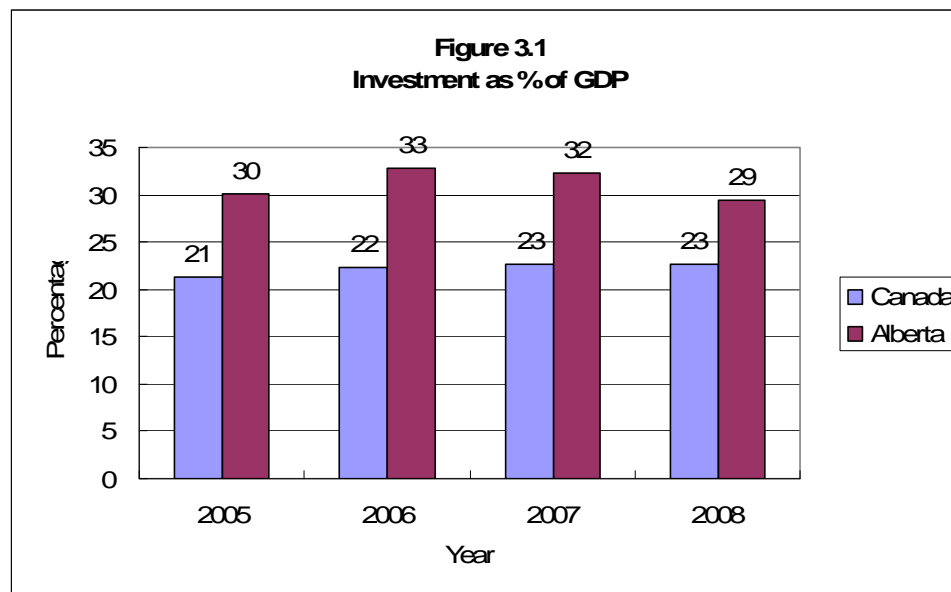
For Alberta's interprovincial trade in 2005, the NADC region shared:

- 46% of mineral fuel,
- 46% of wood, pulp and paper products,
- 20% of grains,
- 18% of other primary agriculture products, and
- 7% of services.

3.0 NADC Region's Contribution to Alberta's Capital Investment

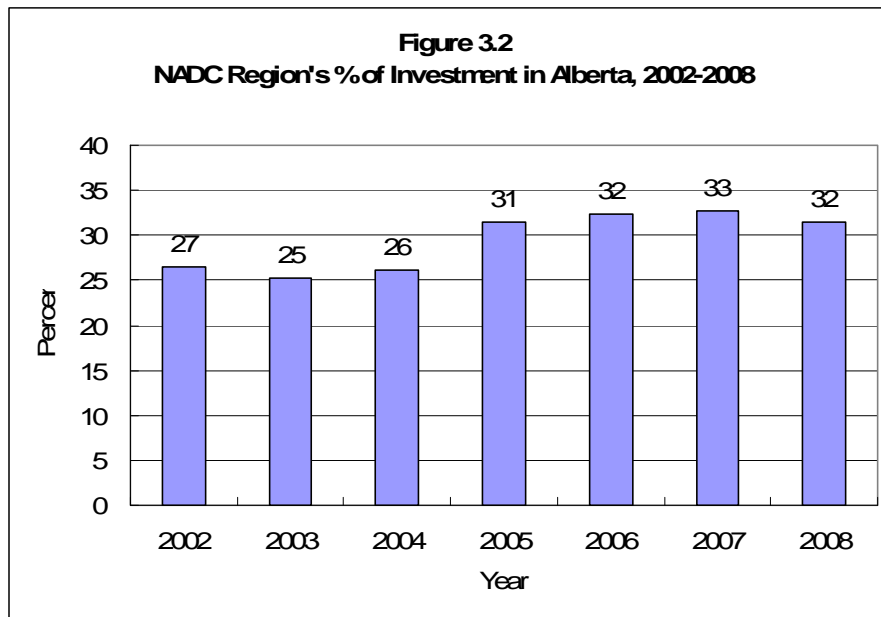
Capital investment includes the construction of residential and non-residential structures and the installation of machinery and equipment. Investment has two kinds of impact on the economy. Investment projects create new demand for construction materials, machinery and equipment, and construction labour in the construction stage. Once investment projects are completed and move into the production stage, these projects will create new demand for materials and supplies that will be used for production as input. Thus, the size of capital investment is a good indicator of economic vitality.

Alberta has a dynamic economy where private and public investment takes a high share of Gross Domestic Product. Private and public capital investment in the period from 2005 to 2008 counted for 31% of Gross Domestic Product, a much higher than 22% for Canada. Thus, capital investment plays a major role for growth and development of the Alberta economy.



Source: Statistics Canada, CANSIM Table 384-0002, Gross Domestic Product, expenditure based

- The NADC region has been a major area of capital investment. The NADC region's share of Alberta's capital investment increased from 27% in 2002 to 31% in 2005 and then remained at about 32% until 2008.
- Capital investment in oil and gas extraction has been the major capital investment in the NADC region. The amount of capital investment in oil and gas extraction increased from \$8.5 billion in 2002 to \$22.5 in 2008. In 2008, capital investment in oil and gas extraction in the NADC region counted for 56% of total capital investment in oil and gas extraction in Alberta.



Source: Estimates by GTS Group International

Oilsands development dominates capital investment in the NADC region, counting for 40 to 60% of total capital investment in the NADC region.

The amount of capital investment in oilsands development increased from \$7 billion in 2002 to \$18 billion in 2007 according to Canadian Association of Petroleum Producers, Statistical Handbook, March 2009. This includes a majority of oilsands development (mining oilsands development, in-situ oilsands development and bitumen upgraders) but does not include upgrader development projects near Edmonton. Thus, the future of capital investment in the NADC region heavily depends on the prospect of oilsands development in the future.

In 2008, a credit crisis which started in the United States spread over the world economy and energy prices collapsed affecting the continued prospect of oilsands development in Alberta. As of May, 2009, the world financial markets are still going through a period of turmoil and it is not clear yet when the world economy can recover its growth path.

In February 2009, Canadian Energy Research Institute (CERI) released a report, "The Eye of the Beholder: Oilsands Calamity or Golden Opportunity?" In this report, CERI presents a CERI 2009 Economic Slowdown Projection where CERI assumes that:

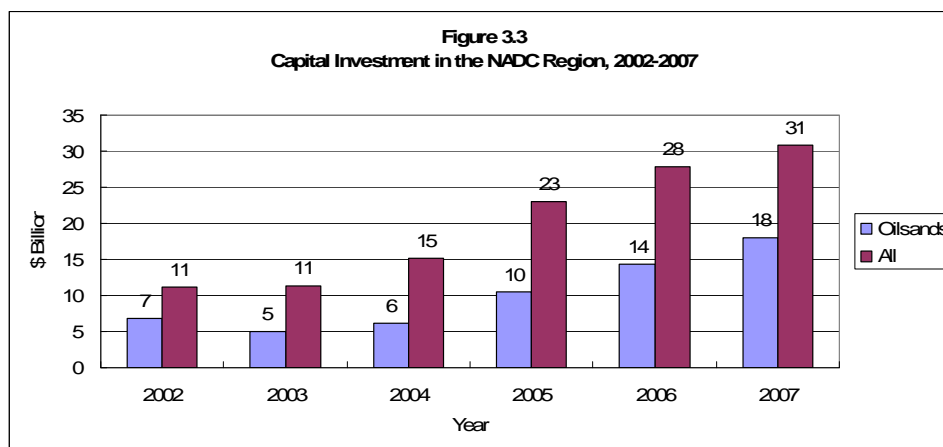
- the price of oil stays below US\$60 WTI/bbl for most of 2009,
- the credit market still lacks liquidity in 2009, and
- the world economic recovery begins in early 2010 and the price of oil starts re-bounding.

Under this scenario, CERI forecasts that capital investment in oilsands development will significantly decrease to about \$5 billion in 2009 and 2010 but starts increasing again by 2011 reaching about \$15 billion.

Table 3.1
Capital Investment in the NADC Region, 2008

Industry	Amounts \$ Millions	NADC %
Agriculture	208	11.7
Mining and Oil and Gas Extraction	23,833	55.2
Oil and Gas Extraction	22,486	55.9
Mining	138	25.0
Others	1,209	55.9
Construction	405	15.2
Manufacturing	644	15.2
Transportation and utilities	1,514	15.2
Wholesale and retail trade	366	15.2
Finance, insurance and real estate	692	15.2
Education services	220	10.8
Health care and social assistance services	188	10.8
Other personal and business services	589	15.2
Public administration	788	10.8
Housing	1,465	10.3
Total	30,913	31.5

Source: Estimates by GTS Group International



Source: Estimates by GTS Group International

4.0 NADC region's Contribution to Industrial Supplies

4.1 Materials and Supplies Purchased by Manufacturing Industries

Firms in the NADC region purchase materials and supplies as input for the production of their goods within the NADC region, from the rest of Alberta, the rest of Canada, and globally.

There are relatively few manufacturing industries in the NADC region, except those related to forest products. The forest products industry in the NADC region counts for about 45% of gross revenue of all forest products industries (wood products, pulp and paper products) in Alberta. However, for all manufacturing industries, the NADC region's share of gross revenues of all manufacturing industries in Alberta is about 3%.

Table 4.1
Gross Revenue of Forest Products Industries in the NADC Region, 2005-2007
In Million Dollars

Regions	2005	2006	2007
Athabasca-Fort McMurray	1,304	1,446	1,378
Drayton Valley	420	371	329
Edmonton	1,565	1,639	1,755
Grand Prairie-Grand Cache	1,173	999	1,084
Hinton-Edson	931	919	747
Peace River-High Level-La Crete	1,730	1,575	1,474
Rocky Mountain House-Calgary-Southern Alberta	2,066	2,133	2,166
Slave Lake-High Prairie	1,392	1,129	755
Whitecourt	989	974	1,023
NADC Region	5,599	5,149	4,691
All Regions	11,570	11,185	10,711
NADC % of All Regions	48.4	46.0	43.8

Source: Alberta Forest Products Association,
Economic Impact of the Alberta Forest Industry 2007

- In 2008, manufacturing industries in the NADC region spent about \$1.6 billion to purchase materials for their production. This was about 4.7% of the amount of money spent on the purchases of materials by all manufacturing industries in Alberta.

Table 4.2
Value of Manufacturing Shipment and Cost of Materials, 2000-2008
 In Million Dollars

	2000	2001	2002	2003	2004
Value of manufacturing shipment					
Alberta	47,383	48,786	47,862	49,494	53,608
NADC region	3,150	3,238	3,331	2,901	3,499
NADC region as % of Alberta	6.6	6.6	7.0	5.9	6.5
Cost of materials					
Alberta	29,680	31,096	30,475	31,931	34,117
NADC region	1,249	1,512	1,601	1,373	1,589
NADC region as % of Alberta	4.2	4.9	5.3	4.3	4.7
	2005	2006	2007	2008	
Value of manufacturing shipment					
Alberta	60,439	60,439	65,593	70,128	
NADC region	3,945	3,945	4,281	4,577	
NADC region as % of Alberta	6.5	6.5	6.5	6.5	
Cost of materials					
Alberta	38,463	38,463	41,743	44,630	
NADC region	1,792	1,792	1,945	1,589	
NADC region as % of Alberta	4.7	4.7	4.7	3.6	

Source: Compiled from a special tabulation of Statistics Canada, Manufacturing Industries of Canada for data from 2000 to 2003. From 2004 to 2008, Alberta values of shipment are from Statistics Canada, Manufacturing sales by province and territories; other data are estimates by GTS Group International.

4.2 Materials and Labour Purchased by Oilsands Industries in the NADC Region

Oil sands industries create a huge amount of demand for materials and labour both in their construction and operation stages. Materials and labour are procured from suppliers in the NADC region, Alberta, Canada and foreign countries.

Very little information had been available on the composition of such demand. But in October 2005, the Canadian Energy Research Institute (CERI) released a comprehensive analysis of economic impacts of Alberta's oil sands, *Economic Impacts of Alberta's Oil Sands*. In this report, CERI compiled statistics on the composition of the demand for materials and labour for oil sands construction projects. This information is used to estimate the value of materials and labour purchased for the major oil sands construction projects and operations for the period from 1997 to 2007.

Capital investment for the construction of an oilsands processing plant generates the following demand.

Table 4.3A
Percentage Distribution of Construction Expenditures
of Oil Sands Projects

Industry	Mining (%)	Integrated Mining (%)	In Situ (%)
Manufacturing	72	56	41
Construction	0	0	20
Business Services	8	10	7
Labour	20	34	32
Total	100	100	100

Source: Canadian Energy Research Institute,
Economic Impacts of Alberta's Oil Sands, Volume I, October 2005

Table 4.3B
Percentage Distribution of Sources of Suppliers
for Oil Sands Construction Projects

Industry	Mining		
	Alberta (%)	Rest of Canada (%)	Foreign (%)
Manufacturing	38	16	46
Construction	0	0	0
Business Services	100	0	0
Labour	100	0	0
Total	55	12	33

Industry	Integrated Mining		
	Alberta (%)	Rest of Canada (%)	Foreign (%)
Manufacturing	34	16	50
Construction	0	0	0
Business Services	100	0	0
Labour	100	0	0
Total	61	13	25

Industry	In Situ		
	Alberta (%)	Rest of Canada (%)	Foreign (%)
Manufacturing	64	14	22
Construction	100	0	0
Business Services	95	4	1
Labour	93	7	0
Total	80	10	11

Source: Canadian Energy Research Institute,
Economic Impacts of Alberta's Oil Sands, Volume I, October 2005

As seen in Table 4.3B, manufacturing products for the construction of an oilsands processing plant are supplied from Alberta, the rest of Canada and foreign countries.

For expenditures on labour, CERI compiled statistics on the percentage of expenditures to be spent in northern Alberta that roughly corresponded to the NADC region. As shown in Table 4.4, the amount of expenditures on hiring people who permanently reside in the NADC region is relatively small and a major portion of expenditures is spent on hiring people from the rest of Alberta.

Table 4.4
Percentage Distribution of Labour Expenditures
for Oil Sands Construction Projects

Type of Projects	NADC Region (%)	Rest of Alberta (%)	Rest of Canada (%)
Mining	12.0	88.0	0.0
Integrated mining	5.0	95.0	0.0
In Situ	0.0	93.0	7.0

Source: Canadian Energy Research Institute,
Economic Impacts of Alberta's Oil Sands, Volume I,
October 2005.

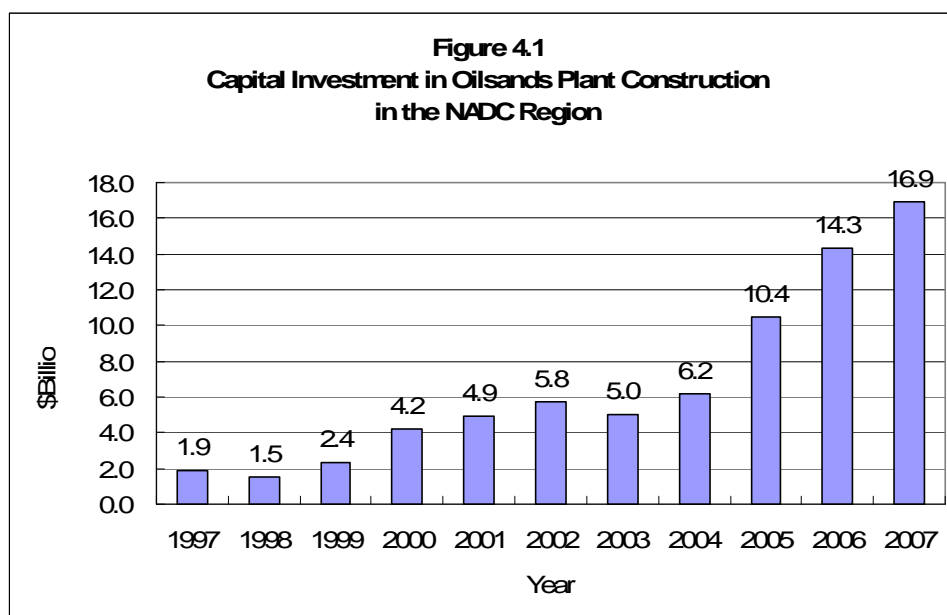
In the period from 1997 to 2007, there was altogether \$74 billion of capital investment in the construction of oilsands processing plants in Alberta, with all but two upgraders in the NADC region.

Table 4.5
Oilsands Capital Expenditures
in the NADC Region, 1997-2007
In Million Dollars

Year	Capital Expenditures			
	Mining	Upgraders*	In-situ	Total
1997	847	6	1,062	1,915
1998	883	18	642	1,543
1999	2,019	144	208	2,372
2000	3,419	159	645	4,223
2001	3,684	127	1,096	4,907
2002	4,170	124	1,457	5,751
2003	3,535	333	1,180	5,048
2004	4,105	92	1,986	6,183
2005	6,019	227	4,191	10,437
2006	5,992	776	7,569	14,337
2007	6,074	5,499	5,372	16,945
Total	40,748	7,505	25,407	73,660

Source: Canadian Association of Petroleum Producers,
Statistical Handbook, March 2009

Note: * Capital expenditures for two upgraders (one operating and the other under construction) in Fort Saskatchewan area are subtracted.



Source: Canadian Association of Petroleum Producers, Statistical Handbook, March 2009

The total amount of capital investment in the construction of oilsands plants from 1997 to 2007 (\$74 billion) generated the demand for goods, services and labour in the following locations:

- \$48 billion in Alberta
- \$ 7 billion in the rest of Canada
- \$18 billion in foreign countries

Table 4.6
Supplies of Goods, Services and Labour Generated by Oilsands
Construction Projects from 1997 to 2007
In Million Dollars

Industry	Alberta	Rest of Canada	Foreign	Total
Manufacturing	19,244	6,825	17,889	43,958
Construction	5,081	0	0	5,081
Business Services	5,700	71	18	5,789
Labour	18,263	569	0	18,832
Total	48,288	7,465	17,907	73,660

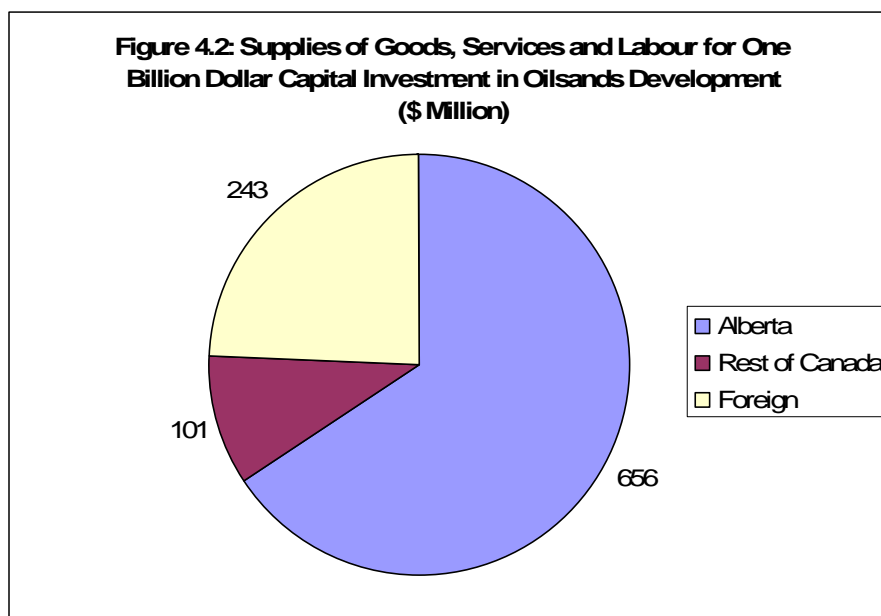
Source: Estimates by GTS Group International

Each billion dollar investment in oilsands construction projects generated the demand for goods, services and labour as shown in Table 4.7.

Table 4.7
Supplies of Goods, Services and Labour Per One Billion Dollar Capital
Investment in Oilsands Projects
 In Million Dollars

Industry	Alberta	Rest of Canada	Foreign	Total
Manufacturing	261	93	243	597
Construction	69	0	0	69
Business Services	77	1	0	79
Labour	248	8	0	256
Total	656	101	243	1,000

Source: Estimates by GTS Group International



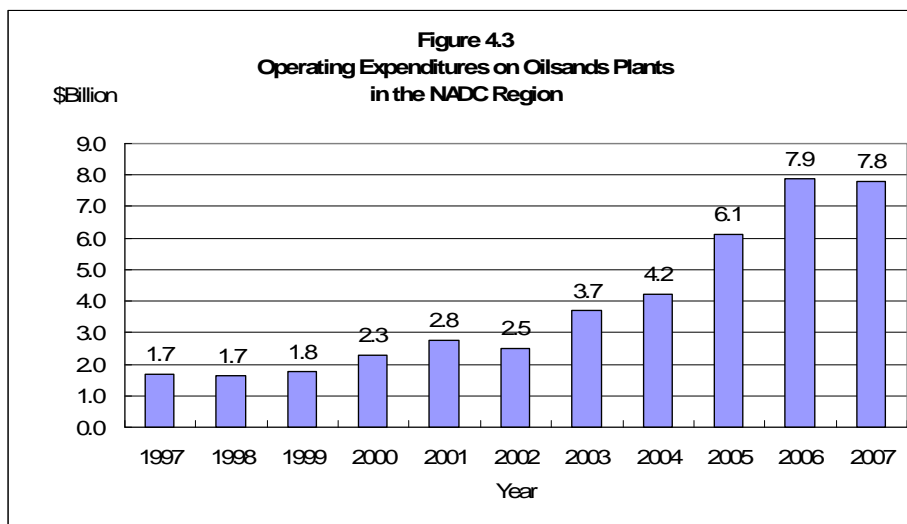
In the period from 1997 to 2007, oilsands companies spent a total of \$42 billion on the operations of oilsands plants in the NADC region (see Table 4.8).

Table 4.8
Operating Expenditures of Oilsands Plants in the NADC Region, 1997-2007
 In Million Dollars

Year	In-situ	Mining	Upgraders*	Total
1997	418	1,208	38	1,665
1998	434	1,125	96	1,654
1999	431	1,240	114	1,784
2000	477	1,654	158	2,289
2001	518	2,043	192	2,753
2002	423	1,976	106	2,505
2003	517	2,989	194	3,700
2004	715	3,310	213	4,237
2005	1,684	4,005	431	6,120
2006	2,153	5,165	554	7,872
2007	1,673	5,074	1,048	7,795
Total	9,442	29,788	3,145	42,375

Source: Canadian Association of Petroleum Producers,
 Statistical Handbook, March 2009

Note: * One upgrader in the Fort Saskatchewan area is excluded.



Source: Canadian Association of Petroleum Producers, Statistical Handbook,
 March 2009

Operating expenditures of oilsands plant are composed of expenditures on goods, services and labour as shown in Table 4.9 and they are purchased from the locations in Table 4.10.

Table 4.9
Percentage Distribution of Operating Expenditures
of Oilsands Plants in the NADC Region (%)

Industry	In-situ (%)	Mining (%)	Integrated mining (%)
Manufacturing	21	40	32
Gas utilities	59	17	16
Electric utilities	7	0	0
Business services	2	0	2
Other goods and serviv	0	0	4
Total goods and servic	89	57	54
Labour	11	43	46
Total	100	100	100

Source: Canadian Energy Research Institute,
Economic Impacts of Alberta's Oil Sands, Volume I, October 2005

Labour required for the operations of oilsands plants in the NADC region are supplied within the NADC region and from the rest of Alberta as shown in Table 4.10.

Table 4.10
Percentage Distribution of Sources of Suppliers for Oil Sands Construction Projects

Industry	Mining			Integrated Mining		
	Alberta (%)	Rest of Canada (%)	Foreign (%)	Alberta (%)	Rest of Canada (%)	Foreign (%)
Manufacturing	38	16	46	34	16	50
Construction	0	0	0	0	0	0
Business Services	100	0	0	100	0	0
Labour	100	0	0	100	0	0
Total	55	12	33	61	13	25

Industry	In Situ		
	Alberta (%)	Rest of Canada (%)	Foreign (%)
Manufacturing	64	14	22
Construction	100	0	0
Business Services	95	4	1
Labour	93	7	0
Total	80	10	11

Source: Canadian Energy Research Institute,
Economic Impacts of Alberta's Oil Sands, Volume I, October 2005

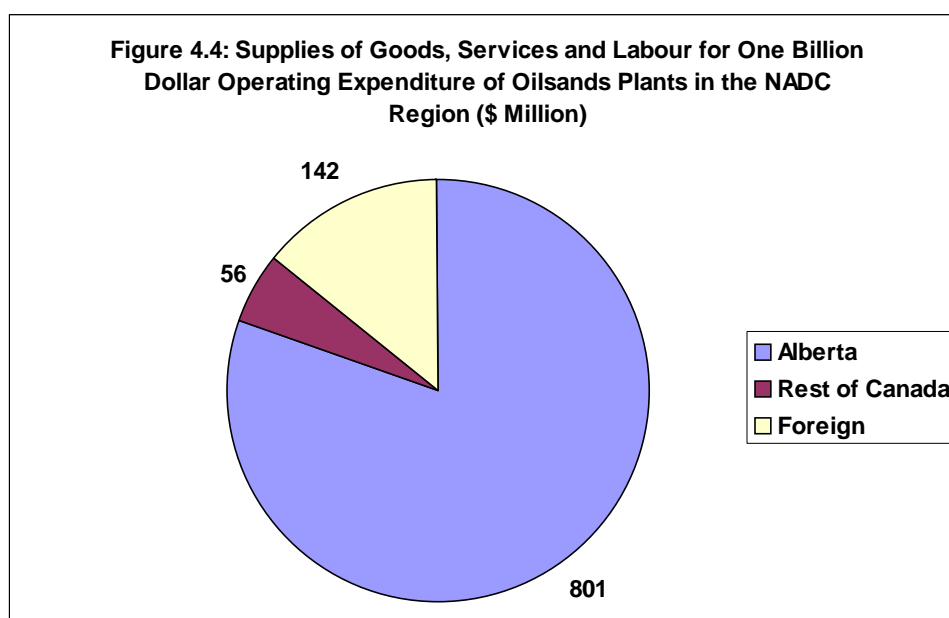
For the period from 1997 to 2007, oilsands companies spent \$42 billion to operate oilsands plants in the NADC region. Most of the operating expenditures (\$34 billion) were used within Alberta but they were also spent in the rest of Canada (\$2 billion) and in foreign countries (\$6 billion) as shown in Table 4.11.

Table 4.11
Supplies of Goods, Services and Labour Required
for the Operations of Oilsands Plants in the NADC Region
in the Period from 1997 to 2007
 In Million Dollars

Industry	Alberta	Rest of Canada	Foreign	All Regions
Manufacturing	5,074	3,557	6,273	14,904
Gas utilities	11,138	0	0	11,138
Total goods and services	18,665	2,391	6,023	27,080
Labour	15,295	0	0	15,295
Total	33,960	2,391	6,023	42,375

Source: Estimates by GTS Group International

Out of each \$1 billion spent on the operations of oilsands plants in the NADC region, a total of \$800 million is spent in Alberta, \$56 million in the rest of Canada, and \$142 million in foreign countries.



5.0 NADC Region's Contribution to Employment Earnings

5.1 Median Family Income by Census Division

Median family income by census division is available for 2000 and 2005 from Census of Canada. In terms of census division, the NADC region is composed of Census Divisions 16, 17, 18 and 19 and some areas in Census Division 12 and 13.

The median family income in Census Division 16 that includes Fort McMurray was the highest among census divisions both in 2000 and 2005. It also increased fastest from 2000 to 2005 (see Table 5.1).

Table 5.1
Median Family Income by Census Division in Alberta, 2000 and 2005
 Dollar

Census Division	Major municipalities	Number (2005)	Number (2000)	Number (% change)	Median (2005)	Median (2000)	Median (% change)
CD 16	Fort McMurray	14,420	11,695	23.3	127,959	104,080	22.9
CD 6	Calgary, Olds, Airdrie, Okotoks, High River	316,820	276,190	14.7	81,790	76,301	7.2
CD 14	Hinton, Edson, Evansberg	7,960	7,665	3.8	80,599	72,939	10.5
CD 19	Peace River, Grande Prairie	27,020	23,640	14.3	80,309	70,059	14.6
CD 11	Edmonton, St. Albert, Westakiwin, Spruce Grove	294,380	263,840	11.6	77,344	70,003	10.5
	Alberta	898,350	803,915	11.7	76,526	69,561	10.0
CD 18	Valleyview, Fox Creek, Grande Cache	3,985	3,960	0.6	76,877	66,549	15.5
CD 15	Jasper, Lake Louise, Banff	8,500	7,950	6.9	69,227	64,281	7.7
CD 8	Red Deer, Lacombe, Innisfail, Silvan Lake	48,490	41,935	15.6	72,945	64,190	13.6
CD 9	Rocky Mountain House	5,780	5,390	7.2	68,943	61,360	12.4
CD 2	Lethbridge	38,255	35,525	7.7	64,545	60,866	6.0
CD 12	Lac La Biche, Bonnyville, St. Paul	16,350	15,535	5.2	68,326	60,695	12.6
CD 1	Medicine Hat	21,130	19,055	10.9	67,784	60,626	11.8
CD 7	Wainwright, Provost, Coronation, Stetler	10,985	10,995	-0.1	68,162	60,399	12.9
CD 10	Camrose, Vegreville, Vermilion	24,085	23,130	4.1	67,208	59,271	13.4
CD 4	Hann, Oyen, Empress	2,855	3,025	-5.6	62,930	58,395	7.8
CD 13	Athabasca, Westlock, Barrhead, Whitecourt	19,165	18,075	6.0	64,738	57,670	12.3
CD 5	Trochu, Drumheller, Vulcan	13,520	12,470	8.4	65,246	57,204	14.1
CD 17	High Level, Swan Hills	14,880	14,270	4.3	62,563	56,408	10.9
CD 3	Fort Macleod, Cardston, Pincher Creek	9,760	9,570	2.0	54,430	52,707	3.3

Source: Statistics Canada, Census of Canada, 2001 and 2006

Note: NADC Region includes Census Division 19, 18, 17, 16 and some parts of Census Division 12 and 13

5.2 Total Wages, Salaries and Supplementary Labour Income

The total amount of wages, salaries and supplementary income of people in the NADC region increased from \$5.3 billion in 2000 to \$11.4 billion in 2007.

The NADC region's share of total wages, salaries and supplementary income in Alberta was estimated as 9.6% in 2007.

Table 5.2
Wages, Salaries and Supplementary Labour Income
in the NADC Region, 2000-2007
 Million Dollars

Year	Alberta	NADC	NADC as % of Alberta
2000	60,392	5,254	8.7
2001	67,757	5,895	8.7
2002	70,868	6,166	8.7
2003	74,629	6,493	8.7
2004	81,883	7,124	8.7
2005	93,034	8,094	8.7
2006	107,030	10,267	9.6
2007	119,144	11,429	9.6

Source: Alberta figures are from CANSIM Table 384-0001
 Gross Domestic Product, income based, provincial
 economic accounts.

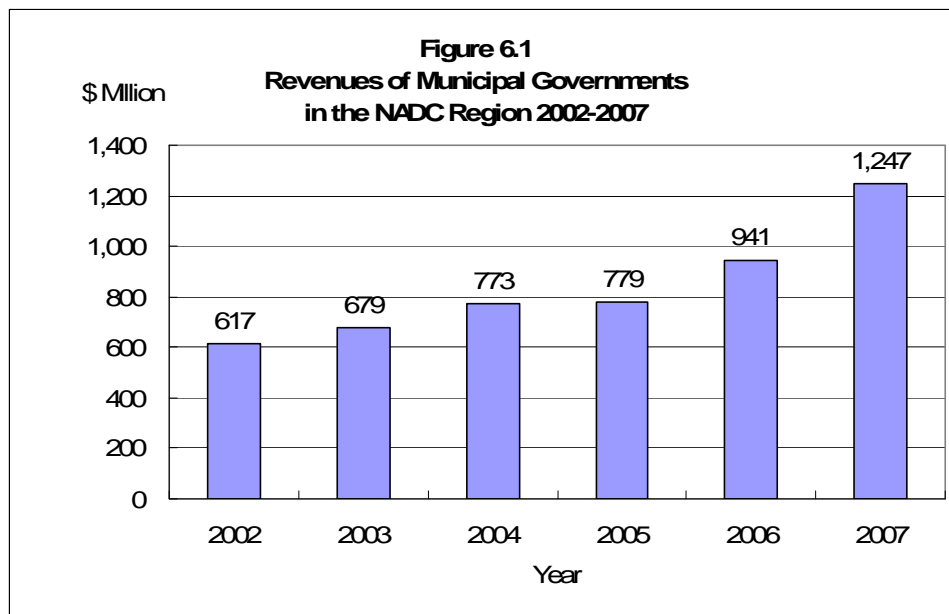
6.0 NADC Region's Contribution to Revenue of Government

Economic activity in the NADC region generates various types of revenue for municipal governments in the NADC region, the Government of Alberta, and the Government of Canada. The NADC region has been and will remain as a major contributor to the revenue of the Government of Alberta and the Government of Canada.

6.1 NADC Region's Contribution to Municipal Governments

The total amount of revenues of all municipal governments in the NADC region has steadily increased from \$617 million in 2002 to \$1,247 million in 2007.

The total revenue of municipal governments in the NADC region has been steadily increasing from 2002 to 2007. It increased from \$617 million in 2002 to \$1,247 million in 2007.



Source: Alberta Municipal Affairs, Municipal Profiles.

Table 6.1
Revenues of Municipal Governments in Alberta, 2002-2007
 In Million Dollars

NADC Region

Revenue sources	2002	2003	2004	2005	2006	2007
Net property taxes	259	293	319	345	407	574
Total provincial grants	63	70	75	106	151	223
Other grants	14	14	20	20	17	26
User fees and sale of goods	84	94	94	91	105	121
Business taxes	0	0	0	0	0	0
Other	75	78	128	106	149	175
Sub-total	495	549	636	669	830	1,119
Actual education taxes	123	130	136	110	112	128
Total	617	679	773	779	941	1,247

Source: Compiled from Alberta Municipal Affairs, Municipal Profiles

Alberta

Revenue sources	2002	2003	2004	2005	2006	2007
Net property taxes	1,915	2,075	2,266	2,103	2,334	2,820
Total provincial grants	510	562	587	862	984	1,000
Other grants	87	81	93	120	145	89
User fees and sale of goods	1,502	1,636	1,772	1,498	1,670	1,917
Business taxes	222	230	239	296	309	239
Other	1,342	1,652	1,520	1,372	1,734	1,777
Sub-total	5,578	6,236	6,477	5,876	6,728	7,842
Actual education taxes	1,222	1,302	1,376	1,477	1,641	1,312
Total	6,800	7,538	7,852	7,353	8,369	9,154

Source: Compiled from Alberta Municipal Affairs, Municipal Profiles

NADC Region's Share of Alberta (%)

Revenue sources	2002	2003	2004	2005	2006	2007
Net property taxes	13.5	14.1	14.1	16.4	17.4	20.4
Total provincial grants	12.3	12.5	12.8	12.3	15.4	22.3
Other grants	15.9	16.7	21.3	16.3	11.8	29.5
User fees and sale of goods	5.6	5.7	5.3	6.1	6.3	6.3
Business taxes	0.1	0.1	0.1	0.1	0.1	0.1
Other	5.6	4.7	8.4	7.7	8.6	9.8
Sub-total	8.9	8.8	9.8	11.4	12.3	14.3
Actual education taxes	10.0	10.0	9.9	7.5	6.8	9.7
Total	9.1	9.0	9.8	10.6	11.2	13.6

Source: Compiled from Alberta Municipal Affairs, Municipal Profiles

6.2 NADC Region's Contribution to the Government of Alberta

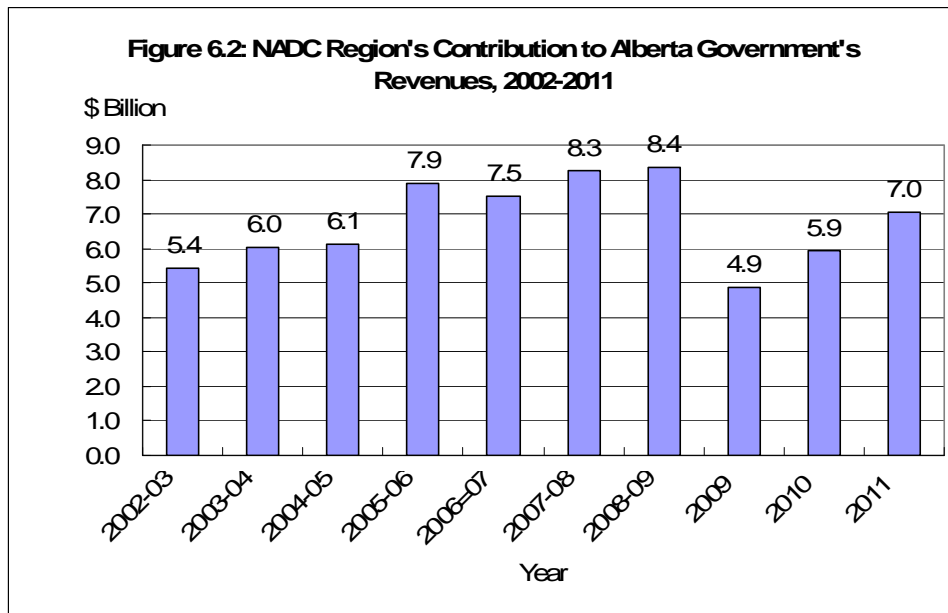
For the fiscal year ending March 31, 2009, the NADC region is estimated to have contributed \$8.4 billion to the Government of Alberta in various forms of taxes. This was 26.7% of the total own-source revenue (excluding federal government transfers) of the Government of Alberta, a percentage much higher than the NADC region's population share of 9.3%.

The major component of the NADC region's contribution to the Government of Alberta has been natural resource revenues such as natural gas royalty, crude oil royalty, synthetic crude oil royalty, coal royalty, and sales of Crown leases. For the fiscal year ending March 31, 2009, the total amount of natural resource revenue of the Government of Alberta from the NADC region is estimated to be \$6.2 billion.

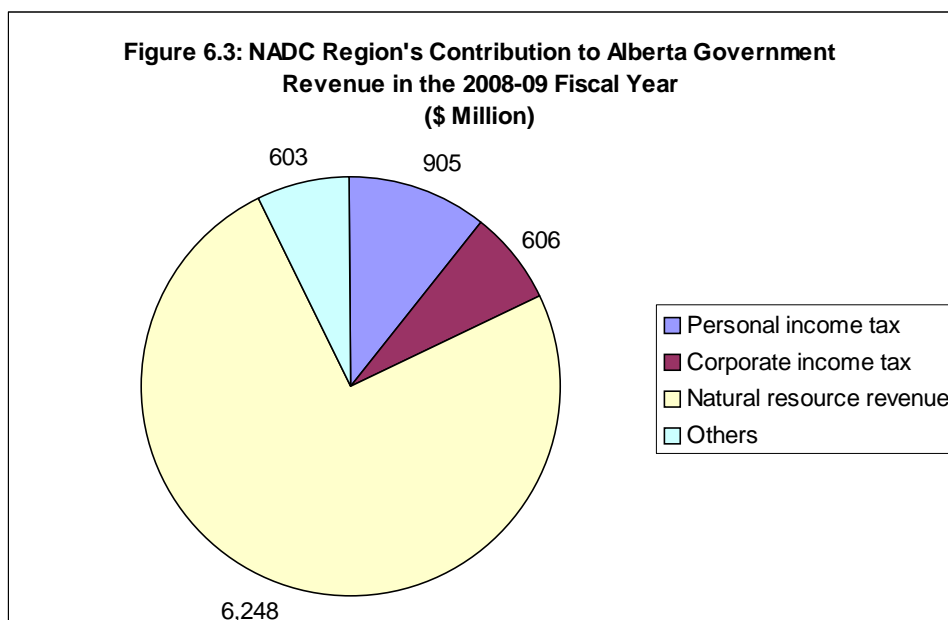
Table 6.2
NADC Region's Contribution to Alberta Government Revenues
In Million Dollars

Year ending March 31	2002-03	2003-04	2004-05	2005-06	2006-07
Personal income tax	469	447	451	454	800
Corporate income tax	259	235	334	431	534
Education property tax	112	118	124	96	91
Other tax revenue	145	163	175	183	199
Natural resource revenue	4,075	4,500	4,474	6,058	5,135
Natural gas royalty	1,919	2,065	2,350	3,009	2,150
Crude oil royalty	384	304	378	435	416
Synthetic crude and bitumen royalty	1,655	1,706	1,249	1,489	1,655
Coal royalty	0	0	0	5	4
Sales of Crown leases, etc.	158	262	331	904	630
Investment income	(41)	163	165	216	280
Other own-source revenue	411	385	413	436	476
Total own-source revenue	5,430	6,011	6,136	7,875	7,515
		Forecast	Estimate	Target	Target
Year ending March 31	2007-08	2008-09	2009-10	2010-11	2011-12
Personal income tax	868	905	899	929	978
Corporate income tax	725	606	345	366	416
Education property tax	136	117	123	125	128
Other tax revenue	207	202	209	216	224
Natural resource revenue	5,599	6,248	2,695	3,688	4,647
Natural gas royalty	1,866	2,157	1,324	1,413	1,380
Crude oil royalty	492	507	371	443	492
Synthetic crude and bitumen royalty	2,913	3,229	1,008	1,784	2,554
Coal royalty	5	12	10	9	10
Sales of Crown leases, etc.	322	342	(18)	39	211
Investment income	229	(175)	170	178	186
Other own-source revenue	489	458	428	435	455
Total own-source revenue	8,253	8,360	4,868	5,938	7,033

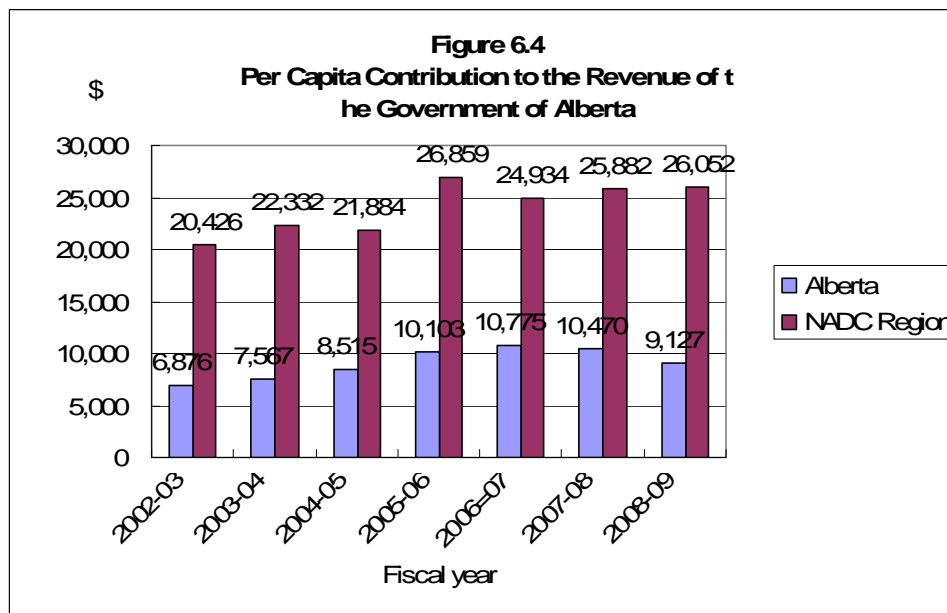
Source: Estimates by GTS Group International



Source: Estimates by GTS Group International



Source: Estimates by GTS Group International



Source: Estimates by GTS Group International.

Fiscal forecasts of the Government of Canada included in Budget 2009 assume that:

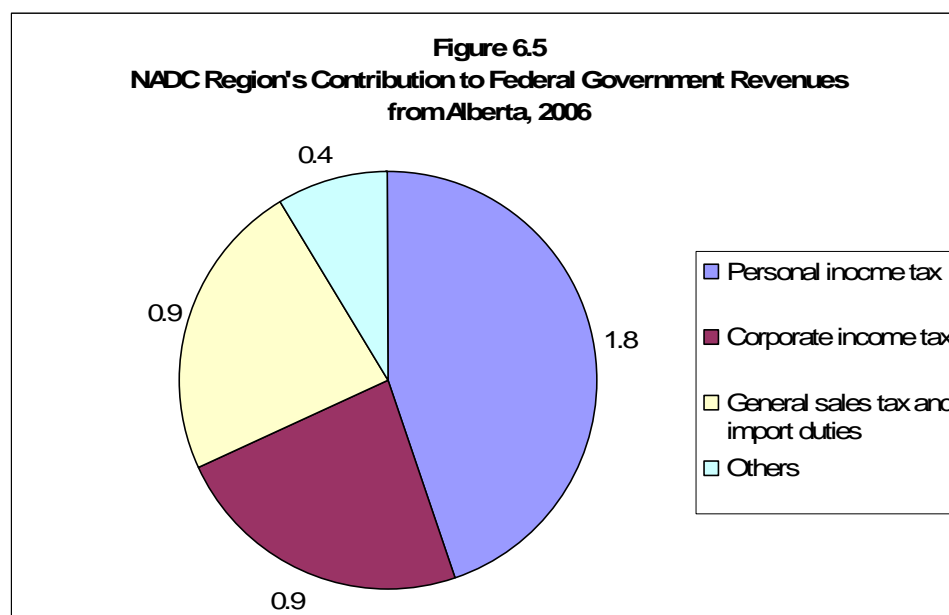
- In the 2008-09 fiscal year, the Alberta economy will contract by 13% nominally and 2% in real terms from the 2007-08 fiscal year,
- Real business investment drops by 25%, by a sharp decline in energy prices, tight credit markets and the global economic recession,
- The global economy stabilizes in late 2009 and a recovery process starts in 2010,
- Crude oil prices (WTI US\$/bbl) increase from \$55.50 in the 2009-10 fiscal year to \$72.50 in the 2011-12 fiscal year, and
- By the 2011-12 fiscal year, the Alberta economy recovers its long-term average growth rate of about 3% in net terms.

Estimates of the NADC contribution to Alberta Government revenues are based on the revenue estimates in Budget 2009.

6.3 NADC Region's Contribution to the Government of Canada

In 2006, the Government of Canada collected \$33 billion revenue from Alberta, of which \$4 billion was from the NADC region. The NADC region counted for 12% of the total federal government revenue.

Personal income tax, corporate income tax, and general sales tax and import duties were three major components of the NADC region's contribution to the revenue of the Government of Canada.



Estimates by GTS Group International

Table 6.3
Federal Government Revenues from Alberta, 2002-2006
In Million Dollars

	2002	2003	2004	2005	2006
Direct taxes from persons	10,996	11,277	12,564	15,072	17,250
Direct taxes from corporations and government business enterprises	3,810	4,285	5,175	5,983	6,313
Direct taxes from non-residents (withholding taxes)	298	282	316	373	477
Contributions to social insurance plans	1,833	1,807	1,785	1,947	2,040
Taxes on production and imports	5,094	5,318	5,568	6,107	6,380
Other current transfers from persons	4	0	4	5	3
Investment income	637	635	565	562	609
Total revenue	22,672	23,604	25,977	30,049	33,072

Source: Statistics Canada, CANSIM Table 384-0004 Government sector revenue and expenditure, provincial economic accounts, annual.

Table 6.4
NADC Region's Contribution to Federal Government Revenues, 2002-2006
 Millions

	2002	2003	2004	2005	2006
Direct taxes from persons	1,067	1,094	1,219	1,462	1,811
Direct taxes from corporations and government business enterprises	489	593	731	885	936
Direct taxes from non-residents (withholding taxes)	38	39	45	55	71
Contributions to social insurance plans	163	160	163	179	190
Taxes on production and imports	654	736	787	903	945
Investment income	82	88	80	83	90
Total revenue	2,492	2,710	3,024	3,567	4,043
NADC Region's % of Alberta	11.0	11.5	11.6	11.9	12.2

Source: Estimates by GTS Group International

6.4 NADC Region's Contribution to All Governments

In the period from 2002 to 2006, the NADC region counted for about 17% of the combined revenue of municipal, provincial and federal governments.

Table 6.5
NADC Region's Contribution to All Government Revenues in Alberta, 2002-2011

	2002	2003	2004	2005	2006
All regions (\$ millions)					
Alberta Government	20,588	22,961	26,109	32,150	34,940
Municipal Governments	6,800	7,538	7,852	7,353	8,369
Federal Government	22,672	23,604	25,977	30,049	33,072
Total	50,060	54,103	59,938	69,552	76,381
NADC Region (\$ millions)					
Alberta Government	5,430	6,011	6,136	7,875	7,515
Municipal Governments	617	679	773	779	941
Federal Government	2,492	2,710	3,024	3,567	4,043
Total	8,539	9,400	9,933	12,221	12,499
NADC Region as % of Alberta	17.1	17.4	16.6	17.6	16.4

Source: Estimates by GTS Group International

7.0 NADC Region's Relative Economic Contribution to Alberta and Canada

The NADC region has a small population over its vast land area. Meanwhile, its land is a major centre for conventional and non-conventional oil, natural gas, forest products, and primary agriculture.

These resource-based industries contribute significantly to Alberta's exports and investment. Energy, forest, and primary agriculture products are exported to the rest of Alberta, Canada, and the world.

Resource development in the NADC region attracts a vast amount of investment that creates huge demand for construction materials, machinery and equipment, engineering and other professional services, and construction labour for the suppliers located outside of the NADC region.

Major indicators for the total and relative size of the NADC region's contribution to Alberta and Canada are summarized in the table below.

Table 7.1
Economic Contribution of the NADC Region - Summary

Economic Contributions	Year	Total Contributions (\$ Million)			Per Capita (\$)	
		NADC Region	Alberta	NADC as % of Alberta	NADC Region	Alberta
International exports	2002	17,675	56,536	31.3	66,489	18,881
	2007	31,208	90,362	34.5	97,870	26,938
Interprovincial exports	2000	5,237	34,952	15.0	20,744	12,137
	2005	7,133	48,386	14.7	24,329	15,205
Municipal government revenues	2002	617	6,800	9.1	2,321	2,271
	2007	1,247	9,154	13.6	3,911	2,729
Alberta government revenues	2002	5,430	20,588	26.4	20,426	6,876
	2007	8,253	35,121	23.5	25,882	10,470
Federal government revenues	2002	2,492	22,672	11.0	9,375	7,571
	2006	4,043	33,072	12.2	13,414	10,199
Capital investment	2002	11,127	41,928	26.5	41,856	14,002
	2008	30,913	97,995	31.5	96,329	28,544
Demand for manufacturing supplies	2000	1,249	29,680	4.2	4,947	10,306
	2008	1,589	44,630	3.6	4,953	13,000
Median family income (\$)*	2000	104,080	69,561	149.6		
	2005	127,959	76,526	167.2		

Source: Various tables in this report.

Notes: * Median family income in Census Division 16 (Fort McMurray) represents the NADC region.

APPENDICES

Note: In these appendices, the tables used in the main report have the same table number as in the main report. Other tables have table numbers such as Table 4.B1.

Appendix 1 Population and Industry

Definition of the Northern Alberta Development Council (NADC) Region

The NADC Region includes the area covered by the following communities:

I.D. 24 (Wood Buffalo National Park),
Regional Municipality of Wood Buffalo,

MD of Big Lakes,
M.D. of Opportunity No. 17,
M.D. of Lesser Slave River No. 124,
M.D. of Clear Hills No. 21,
M.D. of Northern Lights No. 22,
M.D. of Mackenzie No. 23,
Northern Sunrise County (was M.D. of East Peace No. 131),

M.D. of Greenview No. 16,

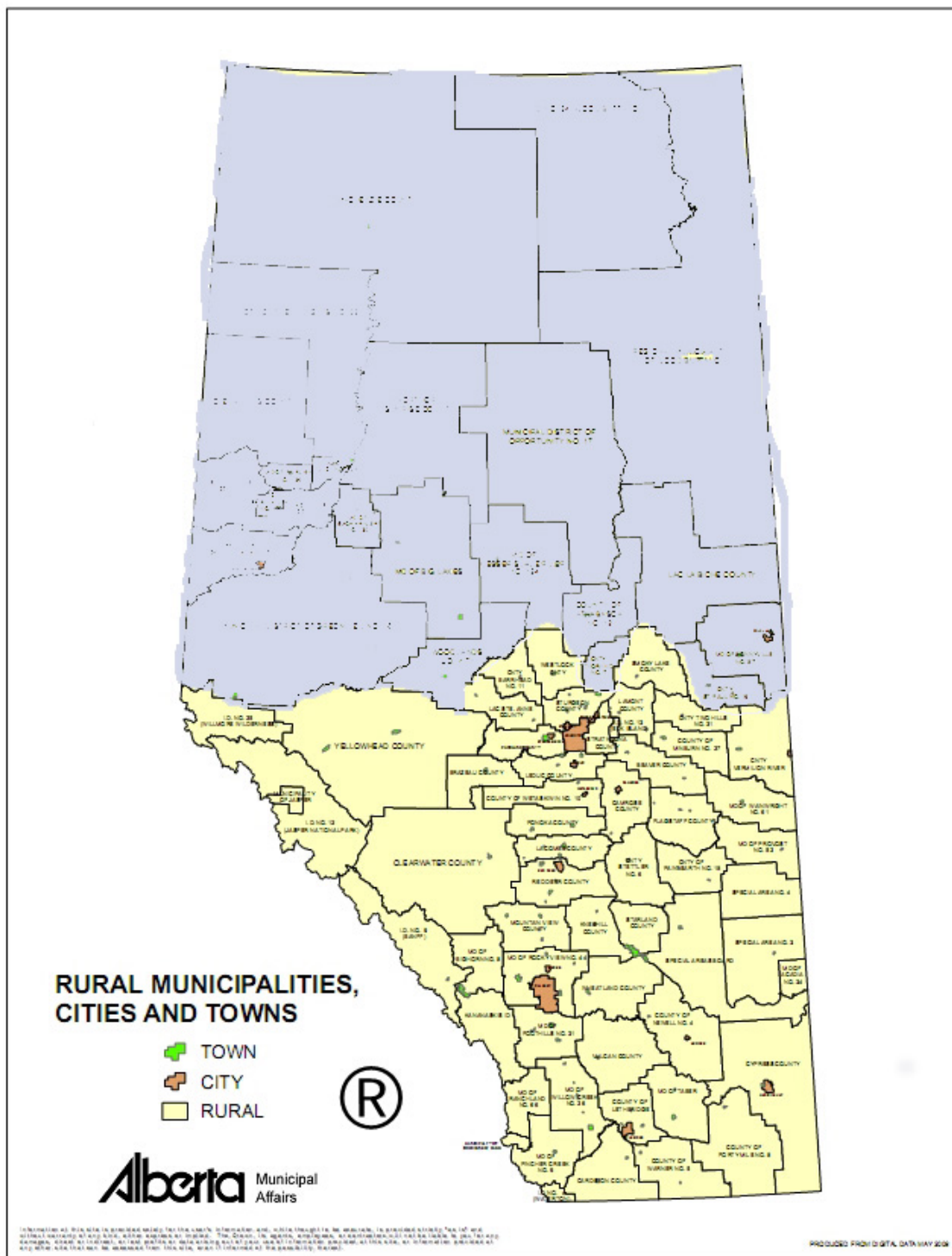
Grande Prairie County No. 1,
M.D. of Smoky River NO. 130,
M.D. of Birch Hills No. 19,
M.D. of Spirit River No. 133,
M.D. of Saddle Hills No. 20,
M.D. of Fairview No. 136,
M.D. of Peace No. 135,

M.D. of Bonnyville No. 87,
Lakeland County,
County of St. Paul No. 19,
Woodlands County,
Athabasca County No. 12,

All of the Metis Settlements are part of the NADC area (Including Kikino and Buffalo Lakes which are situated in County 13; please note that County 13 is not part of the NADC Region)

White Fish Lake I.R. 128 and Saddle Lake I.R. 125 are also included as part of the NADC Region even though parts of these Reserves are considered to be within County 13

The NADC region is coloured gray in the Alberta map on the next page.



Population

Population in the Northern Alberta Development Region from 2000 to 2008

Source:

Alberta Municipal Affairs, *Official Alberta Population 2000 - 2008*

Methods:

Official populations of all municipalities in the NADC Region are added for the years from 2000 to 2008.

Table 1. B1
Population in the NADC Region, 2000-2008

	2000	2001	2002	2003	2004
Cities	35,962	35,962	36,983	40,226	40,226
Special Municipalities	59,386	64,821	67,146	66,786	76,792
Municipal Districts	64,288	64,288	64,163	64,348	64,348
Towns	69,563	73,291	73,370	73,370	74,324
Villages	5,128	5,128	4,891	4,891	4,891
Summer Villages	837	837	869	886	886
Improvement Districts	10	370	369	369	369
Metis Settlements	5,294	5,294	5,146	5,146	5,146
First Nations	11,992	12,384	12,892	13,145	13,399
NADC Total	252,460	262,375	265,829	269,167	280,381
Total Alberta Population	2,879,743	2,907,882	2,994,387	3,034,362	3,066,257
NADC as % of Alberta	8.8	9.0	8.9	8.9	9.1

	2005	2006	2007	2008	%increase 2008/ 2000
Cities	44,631	44,631	50,227	50,227	39.7
Special Municipalities	82,863	88,479	98,133	98,133	65.2
Municipal Districts	64,348	66,699	66,550	67,713	5.3
Towns	74,577	74,577	77,343	77,946	12.1
Villages	4,937	4,969	4,951	5,032	- 1.9
Summer Villages	886	886	1,290	1,290	54.1
Improvement Districts	369	369	422	422	
Metis Settlements	6,953	6,953	5,956	5,956	12.5
First Nations	13,626	13,819	13,997	14,187	18.3
NADC Total	293,190	301,382	318,869	320,906	27.1
Total Alberta Population	3,182,178	3,242,824	3,354,411	3,433,145	19.2
NADC as % of Alberta	9.2	9.3	9.5	9.3	6.6

Source: Alberta Municipal Affairs, Alberta's Official Population 2000 to 2008

Population in the NADC Region, Actual and Forecasts, 2000-2012

Source:

Alberta Municipal Affairs, *Official Alberta Population 2000 - 2008*

Method:

Trends in the NADC population and Alberta population in the period from 2000 to 2008 are linearly extrapolated from 2009 to 2012.

Table 1.1
Population in the NADC Region, 2000 and 2008

Municipalities	2000	2008	%increase 2008/ 2000
Cities	35,962	50,227	39.7
Special Municipalities	59,386	98,133	65.2
Municipal Districts	64,288	67,713	5.3
Towns	69,563	77,946	12.1
Villages	5,128	5,032	- 1.9
Summer Villages	837	1,290	54.1
Improvement Districts	10	422	
Metis Settlements	5,294	5,956	12.5
First Nations	11,992	14,187	18.3
NADC Total	252,460	320,906	27.1
Total Alberta Population	2,879,743	3,433,145	19.2
NADC as % of Alberta	8.8	9.3	

Source: Alberta Municipal Affairs, Alberta's Official Population 2000 to 2008

Table 1.B2
Population in the NADC Region, Actual and Forecasts (in Thousands)
2000 - 2012

	2000	2001	2002	2003	2004	2005	2006
Alberta	2,880	2,908	2,994	3,034	3,066	3,182	3,243
NADC	252	262	266	269	280	293	301
NADC as % of Alberta	8.8	9.0	8.9	8.9	9.1	9.2	9.3
	2007	2008	2009*	2010*	2011*	2012*	
Alberta	3,354	3,433	3,402	3,472	3,542	3,611	
NADC	319	321	321	330	339	348	
NADC as % of Alberta	9.5	9.3	9.4	9.5	9.6	9.6	

Source: Actual population from 2000 to 2008 from Alberta Municipal Affairs,

Alberta's Official Population 2000 to 2008

Notes: *Forecasts by GTS Group International from 2009 to 2012

Employment in the NADC Region by Industry, 2006

Source:

Statistics Canada, 2006 Census of Canada

Method:

Employment by industry and census division is compiled for the NADC region. The NADC region includes Census Divisions 19, 18, 17 and 16, and some areas of Census Divisions 12 and 13.

Table 2.B1
Employment in the NADC Region by Industry, 2006

Industry	Alberta	NADC	NADC as % of Alberta
Agriculture	74,430	13,560	18.2
Mining	127,705	28,580	22.4
Construction	161,540	17,165	10.6
Manufacturing	134,160	8,810	6.6
Transportation and utilities	113,715	12,365	10.9
Wholesale and retail	281,540	23,995	8.5
Finance and real estate	95,235	6,155	6.5
Education	117,000	11,195	9.6
Health care and social services	170,750	12,625	7.4
Other personal and business services	496,460	33,800	6.8
Public administration	87,430	10,290	11.8
Total	1,859,965	178,415	9.6

Source: Statistics Canada, 2006 Census of Canada

Industry

Total Gross Farm Receipts in the NADC Region, 2000 and 2005

Source:

Statistic Canada, 2001 Census of Agriculture and Total Gross Farm Receipts 2005.

Method:

Data by Census Division are compiled for the NADC Region.

Table 2.B2
Total Gross Farm Receipts in the NADC Region, 2000

Region	No. of Farms (counts)	Total Gross Farm Receipts (\$ millions)
NADC Region	10,636	911
The Rest of Alberta	43,016	9,009
Alberta	53,652	9,919
NADC as % of Alberta	19.8	9.2

Source: Compiled from Statistics Canada, 2001 Census of Agriculture.

Total Gross Farm Receipts in the NADC Region, 2005

Region	No. of Farms (counts)	Total Gross Farm Receipts (\$ millions)
NADC Region	10,678	1,156
The Rest of Alberta	38,753	8,733
Alberta	49,431	9,889
NADC as % of Alberta	21.6	11.7

Source: Statistics Canada, Total Gross Farm Receipts, 2005

Production of All Wheat and Barley, and Hay and Canola in the NADC Region, 2000-2007

Source:

Alberta Agriculture, Food and Rural Development, Statistics Yearbook 2007.

Method:

Data by Census Division are compiled for the NADC region.

Table 2.B3
Production of All Wheat and Barley in the NADC Region, 2000-2007
 Thousand tonnes

	2000	2001	2002	2003	2004	2005	2006	2007
All Wheat								
NADC Region	1,521	1,374	682	979	1,035	1,231	1,039	907
Rest of Alberta	5,602	4,429	2,841	5,451	6,537	7,141	6,464	5,169
Alberta	7,124	5,802	3,522	6,430	7,571	8,371	7,503	6,076
NADC as % of Alberta	21.4	23.7	19.4	15.2	13.7	14.7	13.9	14.9
Barley								
NADC Region	775	715	523	752	676	715	506	783
Rest of Alberta	4,494	4,032	2,025	4,669	4,952	4,517	3,899	4,332
Alberta	5,269	4,746	2,547	5,421	5,628	5,232	4,405	5,114
NADC as % of Alberta	14.7	15.1	20.5	13.9	12.0	13.7	11.5	15.3

Source: Alberta Agriculture, Food and Rural Development, Alberta Agriculture, Statistics Yearbook 2007

Table 2.B4
Production of Hay and Canola in the NADC Region, 2000-2007
 Thousand tonnes

	2000	2001	2002	2003	2004	2005	2006	2007
Hay								
NADC Region	1,553	1,647	945	1,701	2,345	2,193	2,115	2,769
Rest of Alberta	4,572	3,103	2,405	5,349	5,805	7,457	6,860	7,456
Alberta	6,125	4,750	3,350	7,050	8,150	9,650	8,975	10,225
NADC as % of Alberta	25.4	34.7	28.2	24.1	28.8	22.7	23.6	27.1
Canola								
NADC Region	583	519	664	662	823	1,062	885	875
Rest of Alberta	1,605	1,137	560	1,560	2,102	2,589	2,540	2,119
Alberta	2,189	1,656	1,225	2,223	2,926	3,651	3,425	2,994
NADC as % of Alberta	26.7	31.3	54.3	29.8	28.1	29.1	25.8	29.2

Source: Alberta Agriculture, Food and Rural Development, Alberta Agriculture, Statistics Yearbook 2007

Gross Revenues of Forest Products Industries, 2005-2007

Source: Alberta Forest Products Association, Economic Impact of Alberta Forest Industry 2007.

Method:

Gross revenue for the NADC region totals revenues of forest products plants in the NADC region.

Table 4.1
Gross Revenue of Forest Products Industries in the NADC Region, 2005-2007
 In Million Dollars

Regions	2005	2006	2007
Athabasca-Fort McMurray	1,304	1,446	1,378
Drayton Valley	420	371	329
Edmonton	1,565	1,639	1,755
Grand Prairie-Grand Cache	1,173	999	1,084
Hinton-Edson	931	919	747
Peace River-High Level-La Crete	1,730	1,575	1,474
Rocky Mountain House-Calgary-Southern Alberta	2,066	2,133	2,166
Slave Lake-High Prairie	1,392	1,129	755
Whitecourt	989	974	1,023
NADC Region	5,599	5,149	4,691
All Regions	11,570	11,185	10,711
NADC % of All Regions	48.4	46.0	43.8

Source: Alberta Forest Products Association,
 Economic Impact of the Alberta Forest Industry 2007

Manufacturing Shipment in the NADC Region, 2003

Source:

Statistics Canada, Manufacturing Industries in Canada, a special table compiled for the 2006 update.

Method:

The NADC Region is defined as a set of Census Divisions.

Table 2.B5
Manufacturing Shipment in the NADC Region, 2003
 In Million Dollars

	Alberta	NADC	NADC as % of Alberta
All Manufacturing	49,494	2,901	5.9
Forest products	2,806	1,886	67.2
Other manufacturing	46,689	1,015	2.2

Source: Compiled from a special tabulation of Statistics Canada,
 Manufacturing Industries in Canada

Manufacturing and Forest Products Industries in the NADC Region, 2000-2003

Source:

Statistics Canada, Manufacturing Industries in Canada, a special table compiled for the 2006 update.

Method:

The NADC Region is defined as a set of Census Divisions.

Table 4.2
Value of Manufacturing Shipment and Cost of Materials, 2000-2008
 In Million Dollars

	2000	2001	2002	2003	2004
Value of manufacturing shipment					
Alberta	47,383	48,786	47,862	49,494	53,608
NADC region	3,150	3,238	3,331	2,901	3,499
NADC region as % of Alberta	6.6	6.6	7.0	5.9	6.5
Cost of materials					
Alberta	29,680	31,096	30,475	31,931	34,117
NADC region	1,249	1,512	1,601	1,373	1,589
NADC region as % of Alberta	4.2	4.9	5.3	4.3	4.7
	2005	2006	2007	2008	
Value of manufacturing shipment					
Alberta	60,439	60,439	65,593	70,128	
NADC region	3,945	3,945	4,281	4,577	
NADC region as % of Alberta	6.5	6.5	6.5	6.5	
Cost of materials					
Alberta	38,463	38,463	41,743	44,630	
NADC region	1,792	1,792	1,945	1,589	
NADC region as % of Alberta	4.7	4.7	4.7	3.6	

Source: Compiled from a special tabulation of Statistics Canada, Manufacturing Industries of Canada for data from 2000 to 2003.

From 2004 to 2008, Alberta values of shipment are from Statistics Canada, Manufacturing sales by province and territories; other data are estimates by GTS Group International.

Annual Production of Oil, Gas, and Condensates in the NADC Region, 1990-2005

Source: Compilation of data available at Alberta Energy by a request by the NADC.

Table 2.B6
Annual Production of Oil, Gas, and Condensate
in the NADC Region, 1990-2005

Year	Volume of natural gas (1,000 m3)	Volume of oil (m3)	Volume of condensate (m3)
1990	38,796,171	28,485,906	31,557
1991	41,819,283	27,121,415	51,698
1992	47,240,233	27,499,799	60,898
1993	53,470,163	27,409,839	69,308
1994	57,708,761	27,402,528	82,773
1995	62,266,622	27,736,047	99,016
1996	66,045,982	27,722,197	93,874
1997	67,571,751	30,688,858	128,212
1998	68,975,371	32,349,481	120,867
1999	69,064,706	29,940,709	124,742
2000	67,431,226	30,421,231	139,318
2001	66,395,982	31,034,075	144,313
2002	63,450,228	29,190,985	142,327
2003	61,347,808	30,886,828	145,816
2004	59,710,188	32,191,995	154,614
*2005	48,622,576	28,421,696	160,167

Source: Compiled from data available at Alberta Energy

Note: * only for January to October

Table 2.B7
Annual Production of Oil, Gas, and Condensate in Alberta
1990-2005

Year	Volume of natural gas (000 m3)	Volume of oil (m3)	Volume of condensate (m3)
1990	118,581,141	60,804,587	130,455
1991	122,883,911	59,114,355	162,376
1992	134,241,491	60,460,222	187,077
1993	145,774,393	62,130,416	229,925
1994	155,982,735	62,828,375	268,046
1995	162,134,777	63,715,513	308,513
1996	167,767,259	64,283,903	319,452
1997	168,784,501	66,879,007	371,224
1998	172,778,021	66,085,294	380,767
1999	175,211,978	59,709,165	397,992
2000	176,357,593	60,203,165	441,895
2001	174,023,651	59,633,862	458,988
2002	169,487,133	55,730,063	449,661
2003	161,931,107	56,718,657	481,227
2004	163,610,515	57,253,088	501,626
2005*	135,525,388	48,274,960	465,842

Source: Compiled from data available at Alberta Energy

Note: * only for January to October

Table 2.B8
Annual Production of Oil, Gas, and Condensate
in the NADCI Region as a Percent of Alberta, 1990-2005

Year	Volume of natural gas	Volume of oil	Volume of condensate
1990	32.7	46.8	24.2
1991	34.0	45.9	31.8
1992	35.2	45.5	32.6
1993	36.7	44.1	30.1
1994	37.0	43.6	30.9
1995	38.4	43.5	32.1
1996	39.4	43.1	29.4
1997	40.0	45.9	34.5
1998	39.9	49.0	31.7
1999	39.4	50.1	31.3
2000	38.2	50.5	31.5
2001	38.2	52.0	31.4
2002	37.4	52.4	31.7
2003	37.9	54.5	30.3
2004	36.5	56.2	30.8
2005*	35.9	58.9	34.4

Source: Compiled from data available at Alberta Energy

Note: * only for January to October

Crude Oil Production in Alberta, 2000-2007

Source:

Canadian Association of Petroleum Producers, Statistical Handbook, 2008

Method:

Crude oil from oilsands as a percentage of all crude oil is calculated from the data.

Table 2.B9
Crude Oil Production in Alberta, 2000 - 2007

	2000	2001	2002	2003
(1) Synthetic crude oil (from mining oilsands operations)	18,608	20,239	25,599	24,860
(2) Experimental oil and bitumen (in-situ oilsands operations)	16,781	17,954	17,560	20,242
(3) Crude oil including (2)	52,973	52,090	53,173	54,548
(4) Conventional crude oil (3) - (2)	36,192	34,136	35,613	34,306
(5) Crude oil from oilsands - (1) + (2)	35,389	38,193	43,159	45,102
(7) Total crude oil (4) + (5)	71,581	72,329	78,772	79,408
(8) Crude oil from oilsands as % of total crude	49.4	52.8	54.8	56.8

	2004	2005	2006	2007
(1) Synthetic crude oil (from mining oilsands operations)	26,892	22,228	29,249	31,611
(2) Experimental oil and bitumen (in-situ oilsands operations)	22,459	25,553	27,161	29,230
(3) Crude oil including (2)	55,197	55,395	54,775	52,818
(4) Conventional crude oil (3) - (2)	32,738	29,842	27,614	23,588
(5) Crude oil from oilsands - (1) + (2)	49,351	47,780	56,410	60,841
(7) Total crude oil (4) + (5)	82,089	77,623	84,024	84,430
(8) Crude oil from oilsands as % of total crude	60.1	61.6	67.1	72.1

Source: Canadian Association of Petroleum Producers, Statistical Handbook

Alberta's International Exports of Coal

Source:

Grande Cache Coal Corporation, Annual Reports 2007 and 2008

Method:

Grande Cache Coal Corporation re-started its coal mining operations in 2005 and exported coal abroad.

Table 2.B10
Alberta's International Exports of Coal
 In Million Dollars

	2005	2006	2007*
Alberta	201	320	404
Grande Cache Coal Corporation	90	101	147
NADC %	44.8	31.7	36.3

Note: For the year ending March 31, 2008

Source: Grande Cache Coal Corporation, Annual Report 2007 and 2008

Appendix 2: International and Interprovincial Trade

Alberta's International Exports by Industry, 2002-2007

Source:

Alberta International and Interprovincial Relations, Alberta International Trade Review 2007

Method:

Statistics Canada has revised its estimation methodology for crude oil exports.

This has led to significant upward adjustments to exports originating in Newfoundland and Saskatchewan and corresponding downward adjustments to Alberta exports to those in the previous reports.

Table 3.B1
Alberta's International Exports by Industry, 2002-2007
 In Million Dollars

Industry	2002	2003	2004	2005	2006	2007
Primary Agriculture	2,279	1,635	2,019	2,132	3,114	3,826
Crops	1,508	1,334	1,891	1,723	2,291	2,988
Livestock	771	300	128	410	823	838
Primary Forestry, Fishing & Trapping	11	7	9	4	4	4
Mining & Energy*	30,083	39,653	42,425	53,663	53,201	55,445
Oil*	12,666	15,879	17,107	20,715	26,942	28,211
Gas & Natural Gas Liquids	16,936	23,468	24,898	32,201	25,493	26,283
Sulphur	148	190	256	437	390	467
Coal	276	78	117	201	320	404
Other Mining & Energy	57	39	47	109	56	80
Manufacturing	15,780	14,990	18,412	19,720	20,489	21,841
Chemicals	3,636	3,983	5,425	6,606	7,071	7,169
Food Feed & Beverage	2,869	2,414	3,183	3,148	2,638	2,720
Machinery	1,249	1,225	1,415	1,618	2,035	2,698
Primary Metal Products	613	669	996	1,088	1,514	2,310
Paper Products & Wood Pulp	1,498	1,381	1,442	1,388	1,415	1,352
Petroleum & Coal Products	530	671	734	963	1,131	1,309
Computer & Electronic Products	2,084	1,439	1,314	1,164	1,321	1,080
Wood Products	1,322	1,405	2,000	1,680	1,244	886
Fabricated Metal Products	340	369	432	490	598	794
Transportation Equipment	613	403	392	515	515	507
Electrical Equipment, App. & Comp.	180	209	284	256	236	293
Plastics & Rubber Products	258	235	227	239	212	235
Furniture & Related Products	317	274	259	226	215	201
Other Manufacturing	131	153	148	174	206	186
Non-Metallic Mineral Products	142	160	159	166	140	102
Other Exports	777	760	824	775	933	878
Total Goods Exports*	48,932	57,044	63,688	76,294	77,740	81,994
Total Services Exports (Estimates)	7,605	7,653	7,820	8,083	8,505	8,367
Total Exports*	56,536	64,697	71,508	84,377	86,245	90,362

Source: Alberta International and Interprovincial Relations, Alberta International Trade Review 2007

*Statistics Canada has revised its estimation methodology for crude oil exports.

This has led to significant upward adjustments to exports originating in Newfoundland and Saskatchewan and corresponding downward adjustments to Alberta exports to those in the previous reports.

Alberta's International and Interprovincial Trade

Source:

Statistics Canada, CANSIM data base, Table 384-0002 - Gross domestic product (GDP), expenditure-based, provincial economic accounts, annual

Method:

International exports from this table are larger than those in Alberta's International Exports by Industry, 2002-2007. Alberta's International Exports by Industry, 2002-2007 are used for analysis in this report because it has more detailed information on Alberta's exports than Alberta's International and Interprovincial Trade

Table 3.B2
Alberta's International and Interprovincial Trade
in Million Dollars

Categories	2000	2001	2002	2003	2004	2005	2006	2007
Total out-of-province exports of goods and services	96,150	99,724	93,996	105,690	118,952	136,894	140,272	145,365
International exports of goods and services	61,198	64,802	58,811	65,041	75,608	88,508	89,560	91,783
Exports of goods	56,725	59,834	53,253	59,499	69,843	82,402	83,358	85,443
Exports of services	4,473	4,968	5,558	5,542	5,765	6,106	6,202	6,340
Interprovincial exports of goods and services	34,952	34,922	35,185	40,649	43,344	48,386	50,712	53,582
Exports of goods	24,141	23,452	22,930	28,496	29,857	33,790	34,254	35,646
Exports of services	10,811	11,470	12,255	12,153	13,487	14,596	16,458	17,936
Total imports of goods and services into the province	73,958	78,103	79,142	81,895	86,919	98,347	107,007	109,902
International imports of goods and services	40,419	42,512	43,267	43,440	46,223	53,271	58,761	61,069
Imports of goods	35,939	37,503	38,023	37,981	40,546	47,238	52,186	54,271
Imports of services	4,480	5,009	5,244	5,459	5,677	6,033	6,575	6,798
Interprovincial imports of goods and services	33,539	35,591	35,875	38,455	40,696	45,076	48,246	48,833
Imports of goods	18,600	20,223	19,880	21,792	22,322	24,359	25,637	24,976
Imports of services	14,939	15,368	15,995	16,663	18,374	20,717	22,609	23,857
Trade balance*	22,192	21,621	14,854	23,795	32,033	38,547	33,265	35,463
Gross Domestic Product at market prices	144,789	151,274	150,594	170,113	189,743	220,419	239,584	258,936
International exports as % of GDP	42.3	42.8	39.1	38.2	39.8	40.2	37.4	35.4
Interprovincial exports as % of GDP	23.2	23.5	23.8	22.6	21.4	20.5	20.1	18.9

Source: Statistics Canada, CANSIM data base, Table 384-0002 - Gross domestic product (GDP), expenditure-based, provincial economic accounts, annual data.

Synthetic Oil Upgrader Capacities in Alberta by Location

Source:

Alberta Government, Alberta Oil Sands Quarterly Update, Spring 2009

Method:

This information is used to estimate the NADC share of synthetic crude oil production.

Table 3.B3
Synthetic Oil Upgrader Capacities in Alberta by Location

Region	Company	capacity (Bbl/day)	Start-up Date	Current Status
Athabasca region	Suncor	28,100	1967	operating
	Syncrude	290,700	1978	operating
	Suncor	43,000	2005	operating
	Syncrude	116,300	2006	operating
	Nexen	72,000	2008	operating
	Suncor	116,000	2008	operating
	Canadian Natural Resources	135,000	2008	operating
Fort Saskatchewan	Athabasca Oilsands Project 1	155,000	2003	operating under
	Athabasca Oilsands Project 2	90,000	2010	construction

Source: Alberta Government, Alberta Oil Sands Industry Quarterly Update, Spring 2009

Synthetic Oil Upgrader Capacities in Alberta by Location and Year

Source:

Alberta Government, Alberta Oil Sands Quarterly Update, Spring 2009

Method:

This information is used to estimate the NADC share of synthetic crude oil production. NADC percentages of oil production from oilsands are calculated by combining "NADC as % of Alberta" in this table with Crude Oil Production in Alberta, 2000-2007.

Table 3.B4
Synthetic Oil Upgrader Capacities in Alberta by Location and Year

Year	Total Capacities (Bbl/day)	NADC Region	Others	NADC as % of Alberta	NADC % of oil from oilsands
2000	318,800	318,800	0	100.0	100.0
2001	318,800	318,800	0	100.0	100.0
2002	318,800	318,800	0	100.0	100.0
2003	473,800	318,800	155,000	67.3	82.0
2004	473,800	318,800	155,000	67.3	82.2
2005	516,800	361,800	155,000	70.0	86.0
2006	633,100	478,100	155,000	75.5	87.3
2007	633,100	478,100	155,000	75.5	87.3
2008	884,100	729,100	155,000	82.5	

Source: Alberta Government, Alberta Oil Sands Industry Quarterly Update, Spring 2009

Definitions of Regional Proportion Indicators for International Exports from the NADC Region, 2002-2007

Regional Proportion Indicators for International Exports from the NADC Region, 2002-2007

Source:

Various industry production tables for the NADC region.

Method:

No regional breakdown of Alberta's international exports is available. Alberta's total international exports are allocated to the NADC region by applying regional proportion indicators. A regional proportion indicator is a NADC percentage of the indicator that can be associated with the kind of export it represents.

Table 3.B5
Definitions of Regional Proportion Indicators for International Exports
from the NADC Region, 2002-2007

<u>Export Categories</u>	<u>Indicators</u>
Primary Agriculture	
Crops	NADC shares of the production of wheat, barely, Canola and hay
Livestock	NADC shares of the number of cattle, calves and pigs
Mining and Energy	
Oil from Oilsands	NADC shares of the production of oil from oilsands
Conventional Oil	NADC share of the production of conventional oil
Natural Gas and Gas Liquids	NADC share of the production of natural gas
Coal	NADC share of oil exports
Sulfur and Others	NADC of the production of natural gas
Manufacturing	
Forest Products	NADC share of gross revenue of forest products
Others	NADC share of employment in non-forest products industries
Service Exports	NADC share of employment in exportable service industries

Sources: Various tables for industrial production in the NADC region.

Table 3.B6
Regional Proportion Indicators for International Exports from the NADC Region, 2002-2007

	2002	2003	2004	2005	2006	2007
Primary Agriculture						
Crops	31.4	20.4	19.1	19.8	18.1	20.3
Livestock	18.1	18.1	18.1	18.1	18.1	18.1
Mining and Energy						
Oil from Oilsands	100.0	82.0	82.2	86.0	87.3	87.3
Conventional Oil	32.7	31.0	29.7	29.7	29.7	29.7
Natural Gas and Gas Liquids	37.4	37.9	36.5	35.9	35.9	35.9
Coal	0.0	0.0	0.0	44.8	31.7	36.3
Sulfur and Others	37.4	37.9	36.5	35.9	35.9	35.9
Manufacturing						
Forest Products	46.1	46.1	46.1	46.1	46.1	46.1
Others	3.2	3.2	3.2	3.2	3.2	3.2
Service Exports	7.3	7.3	7.3	7.3	7.3	7.3

Sources: Various tables for industrial production in the NADC region.

Crops:

NADC shares of the production of wheat, barely, Canola and hay from 2002 to 2007 are weighted by the average shares of each commodity in Alberta's crop exports in 2006 and 2007.

Livestock:

NADC shares of the number of cattle, calves and pigs in 2006 are weighted by the average share of each commodity in Alberta's total exports of livestock in 2006 and 2007.

Oil from oilsands:

Oil exports are first split into oil from oilsands and conventional oil by applying information from Crude Oil Production in Alberta, 2000-2007. For NADC shares of exports of oil from oilsands information from Synthetic Oil Upgrader Capacities in Alberta by Location and Year is used.

Conventional oil:

NADC shares of the production are used from 2002 to 2004. The 2004 share is used for the period from 2005 to 2007.

Natural gas and gas liquids:

NADC shares of the production of natural gas are used from 2002 to 2004. The average NADC share from 2002 to 2004 is applied to the period from 2005 to 2007.

Coal:

NADC share of coal exports is used.

Sulfur:

NADC shares of the production of natural gas are used from 2002 to 2004. The average NADC share from 2002 to 2004 is applied to the period from 2005 to 2007.

Forest products:

Exports of all manufactured goods are grouped into forest products (paper products & wood pulp, and wood products) and non-forest products (all other manufactured products). For forest products, the average of NADC shares of gross revenues of forest products plants in the NADC region from 2005 to 2007 is used.

Manufacturing – Others:

The NADC share of manufacturing employment in 2006 was 6.6% of Alberta according to the 2006 Census of Canada. In the NADC region, employment in forest products industries were, on average, 51.5% of total manufacturing industries according to special tables from Statistics Canada's Manufacturing Industries in Canada. The NADC share of employment in the non-forest products industries in Alberta is estimated as 3.2% ($= 6.6\% \times 0.515$).

Service exports:

The NADC share is the NADC share of employment in exportable service industries in 2006 from the 2006 Census Canada that include transportation and warehousing, information and cultural industries, finance and insurance, professional, scientific and technical services, management services, arts, entertainment and recreation services, accommodation and food services.

Table 3.B7
Alberta's International Exports, 2002-2007
 in Million Dollars

	2002	2003	2004	2005	2006	2007
Primary Agriculture	2,291	1,642	2,027	2,136	3,117	3,830
Crops	1,508	1,334	1,891	1,723	2,291	2,988
Livestock	782	308	136	414	826	841
Mining and Energy	30,083	39,653	42,425	53,663	53,201	55,445
Oil from Oilsands	6,262	8,385	9,373	11,766	16,198	17,365
Conventional Oil	6,404	7,494	7,734	8,949	10,745	10,846
Natural Gas and Gas Liquids	16,936	23,468	24,898	32,201	25,493	26,283
Coal	276	78	117	201	320	404
Sulfur and Others	205	228	303	546	446	547
Manufacturing	15,780	14,990	18,412	19,720	20,489	21,841
Forest Products	2,820	2,786	3,442	3,068	2,659	2,238
Others	12,960	12,204	14,970	16,651	17,830	19,603
Other Exports of Goods	777	760	824	775	933	878
Total Goods Exports	48,932	57,044	63,688	76,294	77,740	81,994
Service Exports	7,605	7,653	7,820	8,083	8,505	8,367
Total Exports	56,536	64,697	71,508	84,377	86,245	90,362

Source: Alberta International and Interprovincial Relations, Alberta International Trade Review 2007

Notes: GTS Group International re-grouped exports by category.

Table 3.B8
NADC's International Exports, 2002-2007
 in Million Dollars

	2002	2003	2004	2005	2006	2007
Primary Agriculture	614	327	385	415	565	758
Crops	473	272	361	341	415	606
Livestock	141	56	25	75	149	152
Mining and Energy	14,771	18,176	19,199	24,623	26,749	28,159
Oil from Oilsands	6,262	6,873	7,702	10,124	14,141	15,156
Conventional Oil	2,092	2,325	2,299	2,660	3,194	3,224
Natural Gas and Gas Liquids	6,340	8,891	9,087	11,553	9,152	9,436
Coal	0	0	0	90	101	147
Sulfur and Others	77	87	111	196	160	196
Manufacturing	1,713	1,672	2,063	1,944	1,793	1,655
Forest Products	1,300	1,283	1,586	1,414	1,225	1,031
Others	413	389	477	530	568	624
Other Exports of Goods	25	24	26	25	30	28
Total Goods Exports	17,123	20,199	21,673	27,007	29,137	30,600
Service Exports	552	556	568	587	617	607
Total Exports	17,675	20,755	22,241	27,594	29,754	31,208

Notes: Estimates by GTS Group International

Table 3.B9
NADC Share of Alberta's International Exports (%)

	2002	2003	2004	2005	2006	2007
Primary Agriculture	26.8	19.9	19.0	19.4	18.1	19.8
Crops	31.4	20.4	19.1	19.8	18.1	20.3
Livestock	18.1	18.1	18.1	18.1	18.1	18.1
Mining and Energy	49.1	45.8	45.3	45.9	50.3	50.8
Oil from Oilsands	100.0	82.0	82.2	86.0	87.3	87.3
Conventional Oil	32.7	31.0	29.7	29.7	29.7	29.7
Natural Gas and Gas Liquids	37.4	37.9	36.5	35.9	35.9	35.9
Coal	0.0	0.0	0.0	44.8	31.7	36.3
Sulfur and Others	37.4	37.9	36.5	35.9	35.9	35.9
Manufacturing	10.9	11.2	11.2	9.9	8.8	7.6
Forest Products	46.1	46.1	46.1	46.1	46.1	46.1
Others	3.2	3.2	3.2	3.2	3.2	3.2
Other Exports of Goods	3.2	3.2	3.2	3.2	3.2	3.2
Total Goods Exports	35.0	35.4	34.0	35.4	37.5	37.3
Service Exports	7.3	7.3	7.3	7.3	7.3	7.3
Total Exports	31.3	32.1	31.1	32.7	34.5	34.5

Alberta's Interprovincial Exports, 2001-2005

Source:

Statistics Canada. CANSIM Table 386-0002, Interprovincial and international trade flows at producer prices, annual data.

Method: Statistics Canada discontinued this data base after 2005.

Table 3.B10
Alberta's Interprovincial Exports, 2001-2005
 in Million Dollars

Export Categories	2000	2001	2002	2003	2004	2005
Grains	149	116	170	256	187	98
Other Agriculture Products	564	766	682	695	786	859
Mineral Fuels	8,067	7,776	7,216	10,582	10,155	11,856
Wood, Pulp and Paper Products	761	771	842	975	1,031	981
Total Goods Exports	24,141	23,452	22,930	28,496	29,857	33,790
Total Service Exports	10,811	11,470	12,255	12,153	13,487	14,596
Total Interprovincial Exports	34,952	34,922	35,185	40,649	43,344	48,386

Source: Statistics Canada. CANSIM Table 386-0002, Interprovincial and international trade flows, and Table 384-0002, Gross Domestic Product, Expenditure Based, Provincial Economic Accounts.

Definitions of Regional Proportion Indicators for NADC's Interprovincial Exports of Goods

Regional Proportion Indicators for NADC's Interprovincial Exports of Goods

Source:

Various NADC production and export data.

Method:

For mineral fuels, the NADC share of international exports of mining and energy is used because no breakdown of mineral fuels into oil and gas is available for Alberta's interprovincial exports.

Table3.B11
Definitions of Regional Proportion Indicators for NADC Region's
Interprovincial Exports of Goods

Export Categories	Indicators
Grains	NADC share of crop production
Other Agriculture Products	NADC share of the number of cattle, calves and pigs
Mineral Fuels	NADC share of international exports of mining and energy
Wood, Pulp and Paper Products	NADC share of gross revenue of forest products production
Service Exports	NADC share of employment in exportable services

Table 3.B12
Regional Proportion Indicators for NADC Region's Interprovincial Exports of Goods

Export Categories	2000	2001	2002	2003	2004	2005
Grains	22.9	26.2	31.4	20.4	19.1	19.8
Other Agriculture Products	18.1	18.1	18.1	18.1	18.1	18.1
Mineral Fuels	49.1	49.1	49.1	45.8	45.3	45.9
Wood, Pulp and Paper Products	46.1	46.1	46.1	46.1	46.1	46.1
Services	7.3	7.3	7.3	7.3	7.3	7.3

Source: Various production and export data for the NADC region

NADC Region's Interprovincial Exports, 2001-2005

Method:

Regional proportion indicators for NADC region's interprovincial exports are applied to Alberta's interprovincial exports.

Table 3. B13
NADC Region's Interprovincial Exports of Goods, 2001-2005
in Million Dollars

Export Categories	2000	2001	2002	2003	2004	2005
Grains	34	30	53	52	36	19
Other Agriculture Products	102	139	123	126	142	156
Mineral Fuels	3,961	3,818	3,543	4,850	4,595	5,440
Wood, Pulp and Paper Products	351	355	388	449	475	452
Total Goods Exports	4,448	4,342	4,107	5,478	5,249	6,067
Total Service Exports	789	837	895	887	985	1,066
Total Interprovincial Exports	5,237	5,179	5,002	6,365	6,233	7,133

NADC Region's Share of Alberta's Interprovincial Exports, 2001-2005

Method:

NADC's share of total interprovincial exports is calculated by dividing Alberta total by NADC total.

Table 3.B14
NADC Region's Share of Alberta's Interprovincial Exports of Goods, 2001-2005
 Percent

Export Categories	2000	2001	2002	2003	2004	2005
Grains	22.9	26.2	31.4	20.4	19.1	19.8
Other Agriculture Products	18.1	18.1	18.1	18.1	18.1	18.1
Mineral Fuels	49.1	49.1	49.1	45.8	45.3	45.9
Wood, Pulp and Paper Products	46.1	46.1	46.1	46.1	46.1	46.1
Total Goods Exports	18.4	18.5	17.9	19.2	17.6	18.0
Total Service Exports	7.3	7.3	7.3	7.3	7.3	7.3
Total Interprovincial Exports	15.0	14.8	14.2	15.7	14.4	14.7

Appendix 3: Investment

Private and Public Capital Investment in Alberta, 2002-2008

Source:

Statistics Canada, Private and Public Investment in Canada, 2009.

2002 to 2007 figures are actual investment; 2008 figures are preliminary.

Table 4.B1
Private and Public Capital Investment in Alberta, 2002 - 2008
 In Million Dollars

	2002	2003	2004	2005	2006	2007	2008
Agriculture	964	883	1,750	1,761	1,633	1,950	1,775
Mining and Oil and Gas Extraction	18,665	20,308	26,505	36,735	43,046	43,774	43,167
Oil and Gas Extraction	17,770	19,445	24,966	34,410	39,872	40,119	40,257
Mining	90	87	257	524	233	494	552
Others	805	777	1,282	1,801	2,941	3,161	2,165
Construction	164	172	333	398	516	2,482	2,668
Manufacturing	1,573	1,567	2,688	3,404	3,520	3,992	4,241
Transportation and utilities	3,606	4,559	5,046	5,295	6,574	7,601	9,974
Wholesale and retail trade	1,205	1,355	1,843	2,020	2,109	2,449	2,409
Finance, insurance and real estate	2,694	2,648	3,709	4,193	5,177	5,157	4,559
Education services	594	558	855	843	1,273	1,576	2,034
Health care and social assistance services	645	687	828	1,011	1,161	1,328	1,743
Other personal and business services	2,555	2,389	2,973	5,085	3,544	3,406	3,880
Public administration	1,898	1,873	2,626	3,554	3,920	4,543	7,298
Housing	7,364	7,742	8,966	10,726	13,527	15,979	14,246
Total	41,928	44,743	58,121	73,005	85,999	94,236	97,995

Source: Statistics Canada, Private and Public Investment in Canada, 2009.

2002 to 2007 figures are actual investment; 2008 figures are preliminary .

Oilsands Expenditures, Operating Costs and Royalties in Canada, 1997-2007

Source:

Canadian Association of Petroleum Producers, Statistical Handbook, March 2009

Table 4.B2
Oilsands Expenditures in Canada, 1997-2007
 In Million Dollars

	Capital Expenditures			Total Capital Expenditures
	In-situ	Mining	Upgraders	
1997	1,062	847	6	1,915
1998	642	883	18	1,543
1999	208	2,019	144	2,372
2000	645	3,419	159	4,223
2001	1,096	3,684	1,127	5,907
2002	1,457	4,170	1,124	6,751
2003	1,180	3,535	333	5,048
2004	1,986	4,105	92	6,183
2005	4,191	6,019	227	10,437
2006	7,569	5,992	776	14,337
2007	5,372	6,074	6,619	18,065

	Operating Costs			Royalties		Total Royalties
	In-situ	Mining	Upgraders	In-situ	Mining	
1997	418	1,208	38	63	207	270
1998	434	1,125	96	32	35	67
1999	431	1,240	114	179	91	269
2000	477	1,654	158	154	662	816
2001	518	2,043	192	16	249	265
2002	423	1,976	158	120	62	182
2003	517	2,989	288	160	114	274
2004	715	3,310	316	268	501	769
2005	1,684	4,005	616	228	591	819
2006	2,153	5,165	734	624	1,563	2,187
2007	1,673	5,074	1,388	386	2,330	2,716

Source: Canadian Association of Petroleum Producers,
Statistical Handbook, March 2009

Value of Building Permits, 2001-2005

Source:

Albertfirst.com homepage, Community Profiles, Marketplace Community Profiles

Method:

The NADC region includes Marketplaces 7, 8, 10 and 11.

Residential: all buildings for private occupancy

Industrial: all buildings for processing and manufacturing; transportation, communication and other utilities, agriculture, forestry and mining.

Commercial: all buildings for the tertiary sector such as stores, warehouses, garages, office buildings, theatres, hotels, etc.

Institutional and government: includes public and government buildings such as schools, universities, hospitals, clinics, etc.

Table 4.B3
Values of Building Permits in Alberta, 2001-2005
In Million Dollars

	2001	2002	2003	2004	2005
Building Permits Value, Commercial	1,309	1,287	1,348	1,544	2,381
Building Permits Value, Industrial	694	400	351	429	872
Building Permits Value, Institutional	560	548	728	490	900
Building Permits Value, Residential	3,351	4,580	4,241	4,869	6,052
Building Permits Value, Total	5,915	6,815	6,669	7,332	10,205
Total Housing Starts (Number)	30,811	40,551	35,799	38,906	43,213

Source: albertfirst.com homepage, Community Profiles, Marketplace Community Profiles

Table 4.B4
Value of Building Permits in the NADC Region, 2001-2005
 In Million Dollars

	2001	2002	2003	2004	2005
Building Permits Value, Commercial	114	121	159	187	434
Building Permits Value, Industrial	239	152	118	160	331
Building Permits Value, Institutional	67	64	34	63	79
Building Permits Value, Residential	342	405	313	499	625
Building Permits Value, Total	762	742	624	909	1,469
Total Housing Starts (Number)	3,459	3,855	2,656	3,830	4,493

Source: albertfirst.com homepage, Community Profiles, Marketplace Community Profiles

Table 4.B5
NADC Shares of Values of Building Permits, 2001-2008
 (%)

	2001	2002	2003	2004	2005	2006	2007	2008
Building Permits Value, Commercial	8.7	9.4	11.8	12.1	18.2	15.2	15.2	15.2
Building Permits Value, Industrial	34.5	38.1	33.6	37.4	37.9			
Building Permits Value, Institutional	11.9	11.6	4.7	12.8	8.8	10.8	10.8	10.8
Building Permits Value, Residential	10.2	8.8	7.4	10.2	10.3	10.3	10.3	10.3
Building Permits Value, Total	12.9	10.9	9.4	12.4	14.4	13.4	12.0	15.6
Total Housing Starts (Number)	11.2	9.5	7.4	9.8	10.4	10.1	10.1	10.1

Note: Figures from 2006 to 2008 are estimates by GTS Group International

Regional Proportion Indicators for the NADC Region for Capital Investment

Method:

The value of building permits: industrial for the NADC region includes capital investment for energy industries and over-represent the NADC share of capital investment in construction, manufacturing, and transportation and utilities industries. Therefore, for these industries, the value of building permits: commercial is substituted.

Table 4.B6
Regional Proportion Indicators for the NADC Region for Capital Investment
 Percentage

Industries	Indicators
Agriculture	Gross farm receipts in 2000 and 2005
Mining and Oil and Gas Extraction	Well counts, actual investment, etc.
Construction	Value of building permits; commercial
Manufacturing	Value of building permits; commercial
Transportation and utilities	Value of building permits; commercial
Wholesale and retail trade	Value of building permits; commercial
Finance, insurance and real estate	Value of building permits; commercial
Education services	Value of building permits; institutional
Health care and social assistance services	Value of building permits; institutional
Other personal and business services	Value of building permits; commercial
Public administration	Value of building permits; institutional
Housing	Value of building permits; residential

Source: Estimates by GTS Group International

Industries	2002	2003	2004	2005	2006	2007	2008
Agriculture	9.2	9.2	9.2	11.7	11.7	11.7	11.7
Mining and Oil and Gas Extraction							
Construction	9.4	11.8	12.1	18.2	15.2	15.2	15.2
Manufacturing	9.4	11.8	12.1	18.2	15.2	15.2	15.2
Transportation and utilities	9.4	11.8	12.1	18.2	15.2	15.2	15.2
Wholesale and retail trade	9.4	11.8	12.1	18.2	15.2	15.2	15.2
Finance, insurance and real estate	9.4	11.8	12.1	18.2	15.2	15.2	15.2
Education services	11.6	4.7	12.8	8.8	10.8	10.8	10.8
Health care and social assistance services	11.6	4.7	12.8	8.8	10.8	10.8	10.8
Other personal and business services	9.4	11.8	12.1	18.2	15.2	15.2	15.2
Public administration	11.6	4.7	12.8	8.8	10.8	10.8	10.8
Housing	8.8	7.4	10.2	10.3	10.3	10.3	10.3

Private and Public Capital Investment in the NADC Region, 2002-2008

NADC Region's Shares of Private and Public Investment in Alberta, 2002-2008

Method:

Regional proportion indicators for the NADC regions are applied to Alberta's capital investment by industry.

The NADC region's share of Alberta's total investment is calculated by dividing total NADC region investment by total Alberta investment.

Table 3.1
Capital Investment in the NADC Region, 2008

Industry	Amounts \$ Millions	NADC %
Agriculture	208	11.7
Mining and Oil and Gas Extraction	23,833	55.2
Oil and Gas Extraction	22,486	55.9
Mining	138	25.0
Others	1,209	55.9
Construction	405	15.2
Manufacturing	644	15.2
Transportation and utilities	1,514	15.2
Wholesale and retail trade	366	15.2
Finance, insurance and real estate	692	15.2
Education services	220	10.8
Health care and social assistance services	188	10.8
Other personal and business services	589	15.2
Public administration	788	10.8
Housing	1,465	10.3
Total	30,913	31.5

Source: Estimates by GTS Group International

Table 4.B8
Private and Public Capital Investment in Alberta, 2002 - 2008
 In Million Dollars

	2002	2003	2004	2005	2006	2007	2008
Agriculture	964	883	1,750	1,761	1,633	1,950	1,775
Mining and Oil and Gas Extraction	18,665	20,308	26,505	36,735	43,046	43,774	43,167
Oil and Gas Extraction	17,770	19,445	24,966	34,410	39,872	40,119	40,257
Mining	90	87	257	524	233	494	552
Others	805	777	1,282	1,801	2,941	3,161	2,165
Construction	164	172	333	398	516	2,482	2,668
Manufacturing	1,573	1,567	2,688	3,404	3,520	3,992	4,241
Transportation and utilities	3,606	4,559	5,046	5,295	6,574	7,601	9,974
Wholesale and retail trade	1,205	1,355	1,843	2,020	2,109	2,449	2,409
Finance, insurance and real estate	2,694	2,648	3,709	4,193	5,177	5,157	4,559
Education services	594	558	855	843	1,273	1,576	2,034
Health care and social assistance services	645	687	828	1,011	1,161	1,328	1,743
Other personal and business services	2,555	2,389	2,973	5,085	3,544	3,406	3,880
Public administration	1,898	1,873	2,626	3,554	3,920	4,543	7,298
Housing	7,364	7,742	8,966	10,726	13,527	15,979	14,246
Total	41,928	44,743	58,121	73,005	85,999	94,236	97,995

Table 4.B9
Private and Public Capital Investment in NADC Region, 2002 - 2008
 In Million Dollars

	2002	2003	2004	2005	2006	2007	2008
Agriculture	89	81	161	206	191	228	208
Mining and Oil and Gas Extraction	8,910	9,010	11,495	17,413	22,298	24,344	23,833
Oil and Gas Extraction	8,502	8,643	10,873	16,423	20,712	22,452	22,486
Mining	22	22	64	131	58	123	138
Others	385	345	558	859	1,528	1,769	1,209
Construction	16	20	40	72	78	377	405
Manufacturing	148	185	326	621	534	606	644
Transportation and utilities	340	537	612	965	998	1,154	1,514
Wholesale and retail trade	114	160	224	368	320	372	366
Finance, insurance and real estate	254	312	450	764	786	783	692
Education services	69	26	109	74	137	170	220
Health care and social assistance services	75	32	106	89	125	143	188
Other personal and business services	241	282	361	927	538	517	589
Public administration	220	88	336	313	423	491	788
Housing	652	572	919	1,108	1,391	1,643	1,465
Total	11,127	11,304	15,139	22,920	27,822	30,828	30,913

Table 4.B10
NADC Region's Shares of Private and Public Capital Investment in Alberta, 2002 - 2008
 Percentage

	2002	2003	2004	2005	2006	2007	2008
Agriculture	9.2	9.2	9.2	11.7	11.7	11.7	11.7
Mining and Oil and Gas Extraction	47.7	44.4	43.4	47.4	51.8	55.6	55.2
Oil and Gas Extraction	47.8	44.4	43.5	47.7	51.9	56.0	55.9
Mining	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Others	47.8	44.4	43.5	47.7	51.9	56.0	55.9
Construction	9.4	11.8	12.1	18.2	15.2	15.2	15.2
Manufacturing	9.4	11.8	12.1	18.2	15.2	15.2	15.2
Transportation and utilities	9.4	11.8	12.1	18.2	15.2	15.2	15.2
Wholesale and retail trade	9.4	11.8	12.1	18.2	15.2	15.2	15.2
Finance, insurance and real estate	9.4	11.8	12.1	18.2	15.2	15.2	15.2
Education services	11.6	4.7	12.8	8.8	10.8	10.8	10.8
Health care and social assistance services	11.6	4.7	12.8	8.8	10.8	10.8	10.8
Other personal and business services	9.4	11.8	12.1	18.2	15.2	15.2	15.2
Public administration	11.6	4.7	12.8	8.8	10.8	10.8	10.8
Housing	8.8	7.4	10.2	10.3	10.3	10.3	10.3
Total	26.5	25.3	26.0	31.4	32.4	32.7	31.5

Source: Estimates by GTS Group International

Table 4.B11
Gross Capital Formation as % of Gross Domestic Product, 2000-2008
 In Million Dollars

	2000	2001	2002	2003	2004
Canada					
GDP	1,076,577	1,108,048	1,152,905	1,213,175	1,290,906
Gross capital formation	206,272	217,265	225,174	238,197	262,259
Gross capital %	19.2	19.6	19.5	19.6	20.3
Alberta					
GDP	144,789	151,274	150,594	170,113	189,743
Gross capital formation	38,849	43,149	43,585	46,118	52,033
Gross capital %	26.8	28.5	28.9	27.1	27.4
	2005	2006	2007	2008	Average 2005-08
Canada					
GDP	1,372,626	1,450,490	1,535,646	1,602,474	
Gross capital formation	292,271	323,981	347,401	362,207	
Gross capital %	21.3	22.3	22.6	22.6	22.2
Alberta					
GDP	220,419	239,584	258,936	291,662	
Gross capital formation	66,467	78,636	83,831	85,728	
Gross capital %	30.2	32.8	32.4	29.4	31.2

Source: Statistics Canada, CANSIM database, Table 384-0002
 Gross domestic product (GDP), expenditure-based

Gross Capital Formation as % of Gross Domestic Product, 2000-2008

Source:

Statistics Canada, CANSIM database, Table 384-0002, Gross domestic product (GDP), expenditure-based

Table 4.B11
Gross Capital Formation as % of Gross Domestic Product, 2000-2008
 In Million Dollars

	2000	2001	2002	2003	2004
Canada					
GDP	1,076,577	1,108,048	1,152,905	1,213,175	1,290,906
Gross capital formation	206,272	217,265	225,174	238,197	262,259
Gross capital %	19.2	19.6	19.5	19.6	20.3
Alberta					
GDP	144,789	151,274	150,594	170,113	189,743
Gross capital formation	38,849	43,149	43,585	46,118	52,033
Gross capital %	26.8	28.5	28.9	27.1	27.4
	2005	2006	2007	2008	Average 2005-08
Canada					
GDP	1,372,626	1,450,490	1,535,646	1,602,474	
Gross capital formation	292,271	323,981	347,401	362,207	
Gross capital %	21.3	22.3	22.6	22.6	22.2
Alberta					
GDP	220,419	239,584	258,936	291,662	
Gross capital formation	66,467	78,636	83,831	85,728	
Gross capital %	30.2	32.8	32.4	29.4	31.2

Source: Statistics Canada, CANSIM database, Table 384-0002

Gross domestic product (GDP), expenditure-based

Appendix 4: Government Revenues

Revenues of Municipal Governments in Alberta, 2002-2007

Source:

Alberta Municipal Affairs, Municipal Profiles

Method:

All municipal governments in the NADC region (cities, towns, villages, summer villages, counties, municipal districts, improvement districts, and special areas) are identified and their revenues are compiled.

Table 6.1
Revenues of Municipal Governments in Alberta, 2002-2007
 In Million Dollars

NADC Region						
Revenue sources	2002	2003	2004	2005	2006	2007
Net property taxes	259	293	319	345	407	574
Total provincial grants	63	70	75	106	151	223
Other grants	14	14	20	20	17	26
User fees and sale of goods	84	94	94	91	105	121
Business taxes	0	0	0	0	0	0
Other	75	78	128	106	149	175
Sub-total	495	549	636	669	830	1,119
Actual education taxes	123	130	136	110	112	128
Total	617	679	773	779	941	1,247

Source: Compiled from Alberta Municipal Affairs, Municipal Profiles

Alberta						
Revenue sources	2002	2003	2004	2005	2006	2007
Net property taxes	1,915	2,075	2,266	2,103	2,334	2,820
Total provincial grants	510	562	587	862	984	1,000
Other grants	87	81	93	120	145	89
User fees and sale of goods	1,502	1,636	1,772	1,498	1,670	1,917
Business taxes	222	230	239	296	309	239
Other	1,342	1,652	1,520	1,372	1,734	1,777
Sub-total	5,578	6,236	6,477	5,876	6,728	7,842
Actual education taxes	1,222	1,302	1,376	1,477	1,641	1,312
Total	6,800	7,538	7,852	7,353	8,369	9,154

Source: Compiled from Alberta Municipal Affairs, Municipal Profiles

NADC Region's Share of Alberta (%)						
Revenue sources	2002	2003	2004	2005	2006	2007
Net property taxes	13.5	14.1	14.1	16.4	17.4	20.4
Total provincial grants	12.3	12.5	12.8	12.3	15.4	22.3
Other grants	15.9	16.7	21.3	16.3	11.8	29.5
User fees and sale of goods	5.6	5.7	5.3	6.1	6.3	6.3
Business taxes	0.1	0.1	0.1	0.1	0.1	0.1
Other	5.6	4.7	8.4	7.7	8.6	9.8
Sub-total	8.9	8.8	9.8	11.4	12.3	14.3
Actual education taxes	10.0	10.0	9.9	7.5	6.8	9.7
Total	9.1	9.0	9.8	10.6	11.2	13.6

Source: Compiled from Alberta Municipal Affairs, Municipal Profiles

Revenues of the Government of Alberta, 2002-2011

Source:

Alberta Government, Budget, Fiscal Tables.

Table 6.B1
Revenues of the Government of Alberta, 2002-2011
 In Million Dollars

Year ending March 31	2002-03	2003-04	2004-05	2005-06	2006-07
Personal income tax	4,834	4,613	4,649	4,677	7,622
Corporate income tax	2,019	1,696	2,364	2,917	3,606
Education property tax	1,113	1,178	1,247	1,283	1,330
Other tax revenue	1,633	1,838	1,918	1,990	2,138
Natural resource revenue	7,130	7,676	9,744	14,347	12,260
Natural gas royalty	5,125	5,450	6,439	8,388	5,988
Crude oil royalty	1,177	981	1,273	1,463	1,400
Synthetic crude and bitumen royalty	183	197	718	950	2,411
Coal royalty	10	9	11	11	13
Sales of Crown leases, etc.	635	1,039	1,303	3,535	2,448
Investment income	(462)	1,838	1,809	2,348	3,013
Other own-source revenue	4,321	4,122	4,378	4,588	4,971
Total own-source revenue	20,588	22,961	26,109	32,150	34,940

Year ending March 31	Actual 2007-08	Forecast 2008-09	Estimate 2009-10	Target 2010-11	Target 2011-12
Personal income tax	8,271	8,615	8,559	8845	9319
Corporate income tax	4,695	3,774	2,447	2596	2948
Education property tax	1,393	1,462	1,532	1562	1594
Other tax revenue	2,180	2,162	2,214	2278	2341
Natural resource revenue	11,024	12,289	5,903	7386	8892
Natural gas royalty	5,199	6,009	3,687	3937	3845
Crude oil royalty	1,655	1,706	1,249	1489	1655
Synthetic crude and bitumen royalty	2,913	3,229	1,008	1784	2554
Coal royalty	14	34	27	26	28
Sales of Crown leases, etc.	1,243	1,311	(68)	150	810
Investment income	2,414	(1,872)	1,799	1873	1940
Other own-source revenue	5,144	4,905	4,536	4582	4758
Total own-source revenue	35,121	31,335	26,990	29122	31792

Source: Alberta Government, Budget, Fiscal Tables.

NADC Region's Regional Proportion Indicators for Alberta Government Revenues, 2002-2011

Source:

Regional population, employment, earnings, energy production data.

Method:

Each category of government revenue is allocated to the NADC region by an appropriate regional proportion indicator.

Table 6.B2
NADC Region's Regional Proportion Indicators for Alberta Government Revenues, 2002-2011
 Percent

Government revenues	RPIs	2002	2003	2004	2005	2006
Personal income tax	Total earnings	9.7	9.7	9.7	9.7	10.5
Corporate income tax	Value added by industry	12.8	13.8	14.1	14.8	14.8
Education property tax	Education taxes from Alberta Municipal Affairs	10.0	10.0	9.9	7.5	6.8
Other tax revenue	Population	8.9	8.9	9.1	9.2	9.3
Natural resource revenue						
Natural gas royalty	Production	37.4	37.9	36.5	35.9	35.9
Crude oil royalty	Production	32.7	31.0	29.7	29.7	29.7
Synthetic crude and bitumen royalty	Production	100.0	100.0	100.0	100.0	100.0
Coal royalty	Exports	0.0	0.0	0.0	44.8	31.7
Sales of Crown leases, etc.	Well counts	24.9	25.2	25.4	25.6	25.7
Investment income	Population	8.9	8.9	9.1	9.2	9.3
Other own-source revenue	Population	8.9	8.9	9.1	9.2	9.3

Government revenues	RPIs	2007	2008	2009	2010	2011
Personal income tax	Total earnings	10.5	10.5	10.5	10.5	10.5
Corporate income tax	Value added by industry	15.4	16.0	14.1	14.1	14.1
Education property tax	Education taxes from Alberta Municipal Affairs	9.7	8.0	8.0	8.0	8.0
Other tax revenue	Population	9.5	9.3	9.4	9.5	9.6
Natural resource revenue						
Natural gas royalty	Production	35.9	35.9	35.9	35.9	35.9
Crude oil royalty	Production	29.7	29.7	29.7	29.7	29.7
Synthetic crude and bitumen royalty	Production	100.0	100.0	100.0	100.0	100.0
Coal royalty	Exports	36.3	36.3	36.3	36.3	36.3
Sales of Crown leases, etc.	Well counts	25.9	26.1	26.0	26.0	26.0
Investment income	Population	9.5	9.3	9.4	9.5	9.6
Other own-source revenue	Population	9.5	9.3	9.4	9.5	9.6

Total earnings:

From 2002 to 2005, the NADC region's share of total employment earnings in Alberta (2001 Census of Canada) is used. From 2006 to 2011, the NADC region's share of Alberta's total family earnings (median earnings) x (number of families) is used (2006 Census of Canada; average family earnings are have not been released yet).

Table 6.B3
Estimates of Total Family Earnings. In 2005
 In Million Dollars

NADC Region	4,926
Alberta	46,949
NADC % of Alberta	10.5

Source: 2006 Census of Canada

Notes: total family earnings = (median family earnings) x
 (number of families)

Alberta Gross Domestic Product by Industry, 2001-2005

Source:

Source: Statistics Canada, CANSIM Table 381-0015 Provincial gross domestic product at base prices.

Method:

Statistics Canada discontinued this series of data at 2005. Gross Domestic Product by industry is the value of net contribution of the industry to the economy. Gross Domestic Product by industry for major industries is weighted by NADC region's shares of employment by industry. The weighted average of NADC region's share of GDP by industry is used as the regional proportion indicator for corporate income tax. The RPIs from 2006 to 2008 are estimated by a linear extrapolation of the trend of RPIs from 2002 to 2005. From 2009 to 2011, the RPI is assumed to stay at the level in 2004 before energy prices increased and energy company revenues increased rapidly.

Table 6.B4
Alberta Gross Domestic Product by Industry, 2001-2005
 In Million Dollar

	2001	2002	2003	2004	2005
Total industries	148,393	144,266	163,676	183,009	212,773
Crop and animal production	3,116	2,596	3,135	3,661	2,953
Mining and oil and gas extraction	39,055	32,703	45,546	54,033	70,826
Manufacturing	12,972	12,616	12,316	14,478	15,505
Wholesale trade	6,643	6,706	7,186	8,070	9,090
Retail trade	5,950	6,492	7,020	7,364	7,920
Transportation and warehousing	7,201	7,400	7,665	8,224	9,606
Finance, insurance, real estate	20,981	21,880	23,110	24,575	26,144
Educational services	293	308	300	317	343
Health care and social assistance	2,547	2,755	2,975	3,200	3,455
Accommodation and food services	3,203	3,365	3,420	3,625	3,933
Total-selected industries	101,961	96,821	112,675	127,548	149,775

Source: Statistics Canada, CANSIM Table 381-0015 Provincial gross domestic product at base prices

Table 6.B5
Employment by Industry in the NADC Region, 2006

Industry	Alberta	NADC	NADC as % of Alberta
Agriculture	74,430	13,560	18.2
Mining	127,705	28,580	22.4
Construction	161,540	17,165	10.6
Manufacturing	134,160	8,810	6.6
Transportation and utilities	113,715	12,365	10.9
Wholesale and retail	281,540	23,995	8.5
Finance and real estate	95,235	6,155	6.5
Education	117,000	11,195	9.6
Health care and social services	170,750	12,625	7.4
Other personal and business services	496,460	33,800	6.8
Public administration	87,430	10,290	11.8
Total	1,859,965	178,415	9.6

Source: Statistics Canada, 2006 Census of Canada

Table 6.B6
NADC Region's Regional Proportion Indicator for Corporate Income Tax
Weighted Average of NADC Region's Shares of GDP by Industry
In Million Dollars

	2001	2002	2003	2004	2005
Crop and animal production	568	473	571	667	538
Mining and oil and gas extraction	8,740	7,319	10,193	12,092	15,851
Manufacturing	852	828	809	951	1,018
Wholesale trade	566	572	612	688	775
Retail trade	507	553	598	628	675
Transportation and warehousing	783	805	833	894	1,044
Finance, insurance, real estate and rental	1,356	1,414	1,494	1,588	1,690
Educational services	28	29	29	30	33
Health care and social assistance	188	204	220	237	255
Accommodation and food services	218	229	233	247	268
Total-selected industries	13,807	12,426	15,593	18,022	22,147
NADC % of total selected industries	13.5	12.8	13.8	14.1	14.8

NADC Region's Contribution to Alberta Government Revenues

Method:

NADC Region's regional proportion indicators are applied to Alberta Government revenues to estimate the NADC region's contribution to Alberta Government revenues.

Table 6.2
NADC Region's Contribution to Alberta Government Revenues
 In Million Dollars

Year ending March 31	2002-03	2003-04	2004-05	2005-06	2006-07
Personal income tax	469	447	451	454	800
Corporate income tax	259	235	334	431	534
Education property tax	112	118	124	96	91
Other tax revenue	145	163	175	183	199
Natural resource revenue	4,075	4,500	4,474	6,058	5,135
Natural gas royalty	1,919	2,065	2,350	3,009	2,150
Crude oil royalty	384	304	378	435	416
Synthetic crude and bitumen royalty	1,655	1,706	1,249	1,489	1,655
Coal royalty	0	0	0	5	4
Sales of Crown leases, etc.	158	262	331	904	630
Investment income	(41)	163	165	216	280
Other own-source revenue	411	385	413	436	476
Total own-source revenue	5,430	6,011	6,136	7,875	7,515

Year ending March 31	2007-08	Forecast 2008-09	Estimate 2009-10	Target 2010-11	Target 2011-12
Personal income tax	868	905	899	929	978
Corporate income tax	725	606	345	366	416
Education property tax	136	117	123	125	128
Other tax revenue	207	202	209	216	224
Natural resource revenue	5,599	6,248	2,695	3,688	4,647
Natural gas royalty	1,866	2,157	1,324	1,413	1,380
Crude oil royalty	492	507	371	443	492
Synthetic crude and bitumen royalty	2,913	3,229	1,008	1,784	2,554
Coal royalty	5	12	10	9	10
Sales of Crown leases, etc.	322	342	(18)	39	211
Investment income	229	(175)	170	178	186
Other own-source revenue	489	458	428	435	455
Total own-source revenue	8,253	8,360	4,868	5,938	7,033

Source: Estimates by GTS Group International

Table 6.B7
NADC Region's Percentage Contribution to
Alberta Government Revenues, 2002-2011
 Percent

	2002-03	2003-04	2004-05	2005-06	2006-07
Natural resource revenue	57.2	58.6	45.9	42.2	41.9
Total own-source revenue	26.4	26.2	23.5	24.5	21.5

		Forecast	Estimate	Target	Target
	2007-08	2008-09	2009-10	2010-11	2011-12
Natural resource revenue	50.8	50.8	45.7	49.9	52.3
Total own-source revenue	23.5	26.7	18.0	20.4	22.1

Federal Government Revenues from Alberta

Source:

Statistics Canada, CANSIM Table 384-0004 Government sector revenue and expenditure, Provincial economic accounts, annual.

Table 6.3
Federal Government Revenues from Alberta, 2002-2006
 In Million Dollars

	2002	2003	2004	2005	2006
Direct taxes from persons	10,996	11,277	12,564	15,072	17,250
Direct taxes from corporations and government business enterprises	3,810	4,285	5,175	5,983	6,313
Direct taxes from non-residents (withholding taxes)	298	282	316	373	477
Contributions to social insurance plans	1,833	1,807	1,785	1,947	2,040
Taxes on production and imports	5,094	5,318	5,568	6,107	6,380
Other current transfers from persons	4	0	4	5	3
Investment income	637	635	565	562	609
Total revenue	22,672	23,604	25,977	30,049	33,072

Source: Statistics Canada, CANSIM Table 384-0004 Government sector revenue and expenditure, provincial economic accounts, annual.

NADC Region's Regional Proportion Indicators for Federal Government Revenues

Table 6.B7
NADC Region's Regional Proportion Indicators for Federal Government Revenues
 Percent

Taxes	RPIs	2002	2003	2004	2005	2006
Direct taxes from persons	Total family earnings	9.7	9.7	9.7	9.7	10.5
Direct taxes from corporations and government business enterprises	Value added by industry	12.8	13.8	14.1	14.8	14.8
Direct taxes from non-residents (withholding taxes)	Value added by industry	12.8	13.8	14.1	14.8	14.8
Contributions to social insurance plans	Population	8.9	8.9	9.1	9.2	9.3
Taxes on production and imports	Value added by industry	12.8	13.8	14.1	14.8	14.8
Other current transfers from persons	Population	8.9	8.9	9.1	9.2	9.3
Investment income	Value added by industry	12.8	13.8	14.1	14.8	14.8

NADC Region's Contribution to Federal Government Revenues, 2002-2006

Method:

NADC Region's PPIs are applied to federal government revenues from Alberta. The NADC region's share of federal government revenues from Alberta is calculated from this table.

Table 6.4
NADC Region's Contribution to Federal Government Revenues, 2002-2006
 Millions

	2002	2003	2004	2005	2006
Direct taxes from persons	1,067	1,094	1,219	1,462	1,811
Direct taxes from corporations and government business enterprises	489	593	731	885	936
Direct taxes from non-residents (withholding taxes)	38	39	45	55	71
Contributions to social insurance plans	163	160	163	179	190
Taxes on production and imports	654	736	787	903	945
Investment income	82	88	80	83	90
Total revenue	2,492	2,710	3,024	3,567	4,043
NADC Region's % of Alberta	11.0	11.5	11.6	11.9	12.2

Source: Estimates by GTS Group International

NADC Region's Contribution to All Government Revenues in Alberta, 2002-2011

Method:

This is a summary table of municipal, Alberta and federal government revenues. A major worldwide financial turmoil started in the second half of 2008 and caused a plunge in energy prices and economic growth. Since the Alberta economy heavily depends on energy development, government revenues in the near future are difficult to forecast. When we look at Alberta Government's Budget 2009 we find that the Alberta Government's forecast of total government revenue in the 2011-12 fiscal year is about the same as that in the 2005-06 fiscal year. We assume that total municipal government revenues and federal government revenue in the 2011-12 fiscal year will be at the same levels in the 2005-06 fiscal year.

Table 6.5
NADC Region's Contribution to All Government Revenues in Alberta, 2002-2011

	2002	2003	2004	2005	2006	2007	2011
All regions (\$ millions)							
Alberta Government	20,588	22,961	26,109	32,150	34,940	35,121	31,792
Municipal Governments	6,800	7,538	7,852	7,353	8,369	9,154	7,353
Federal Government	22,672	23,604	25,977	30,049	33,072		30,049
Total	50,060	54,103	59,938	69,552	76,381		69,194
NADC Region (\$ millions)							
Alberta Government	5,430	6,011	6,136	7,875	7,515	8,253	7,033
Municipal Governments	617	679	773	779	941	1,247	779
Federal Government	2,492	2,710	3,024	3,567	4,043		3,567
Total	8,539	9,400	9,933	12,221	12,499		11,380
NADC Region as % of Alberta	17.1	17.4	16.6	17.6	16.4		16.4

Source: Estimates by GTS Group International

Appendix 5: Supplies and Materials

Value of Manufacturing Shipment and Cost of Materials, 2000-2008

Source:

Compiled from a special tabulation of Statistics Canada, Manufacturing Industries of Canada for data from 2000 to 2003. From 2004 to 2008, Alberta values of shipment are from Statistics Canada, Manufacturing sales by province and territories; other data are estimates by GTS Group International.

Table 4.2
Value of Manufacturing Shipment and Cost of Materials, 2000-2008
 In Million Dollars

	2000	2001	2002	2003	2004
Value of manufacturing shipment					
Alberta	47,383	48,786	47,862	49,494	53,608
NADC region	3,150	3,238	3,331	2,901	3,499
NADC region as % of Alberta	6.6	6.6	7.0	5.9	6.5
Cost of materials					
Alberta	29,680	31,096	30,475	31,931	34,117
NADC region	1,249	1,512	1,601	1,373	1,589
NADC region as % of Alberta	4.2	4.9	5.3	4.3	4.7
	2005	2006	2007	2008	
Value of manufacturing shipment					
Alberta	60,439	60,439	65,593	70,128	
NADC region	3,945	3,945	4,281	4,577	
NADC region as % of Alberta	6.5	6.5	6.5	6.5	
Cost of materials					
Alberta	38,463	38,463	41,743	44,630	
NADC region	1,792	1,792	1,945	1,589	
NADC region as % of Alberta	4.7	4.7	4.7	3.6	

Source: Compiled from a special tabulation of Statistics Canada, Manufacturing Industries of Canada for data from 2000 to 2003. From 2004 to 2008, Alberta values of shipment are from Statistics Canada, Manufacturing sales by province and territories; other data are estimates by GTS Group International.

Demand for Goods, Services and Labour by Oilsands Capital Investment and Plant Operations in the NADC Region

Oilsands Capital Expenditures and Operating Costs in the NADC Region

Source:

Canadian Association of Petroleum Producers, Statistical Handbook, March 2009

Method:

Capital expenditures for two upgrader construction in the Fort Saskatchewan area are subtracted from Alberta's total capital expenditure to reach the total capital expenditure in the NADC region. Similarly, operating costs of oilsands plants in the NADC region excludes those of an upgrader in the Fort Saskatchewan.

Table 4.5
Oilsands Capital Expenditures
in the NADC Region, 1997-2007
 In Million Dollars

Year	Capital Expenditures			Total
	Mining	Upgraders*	In-situ	
1997	847	6	1,062	1,915
1998	883	18	642	1,543
1999	2,019	144	208	2,372
2000	3,419	159	645	4,223
2001	3,684	127	1,096	4,907
2002	4,170	124	1,457	5,751
2003	3,535	333	1,180	5,048
2004	4,105	92	1,986	6,183
2005	6,019	227	4,191	10,437
2006	5,992	776	7,569	14,337
2007	6,074	5,499	5,372	16,945
Total	40,748	7,505	25,407	73,660

Source: Canadian Association of Petroleum Producers,
 Statistical Handbook, March 2009

Notes: * Capital expenditures for two upgrader construction in the
 Fort Saskatchewan area subtracted.

Map of Hydrocarbon Resources in Alberta
 Source: Alberta Energy

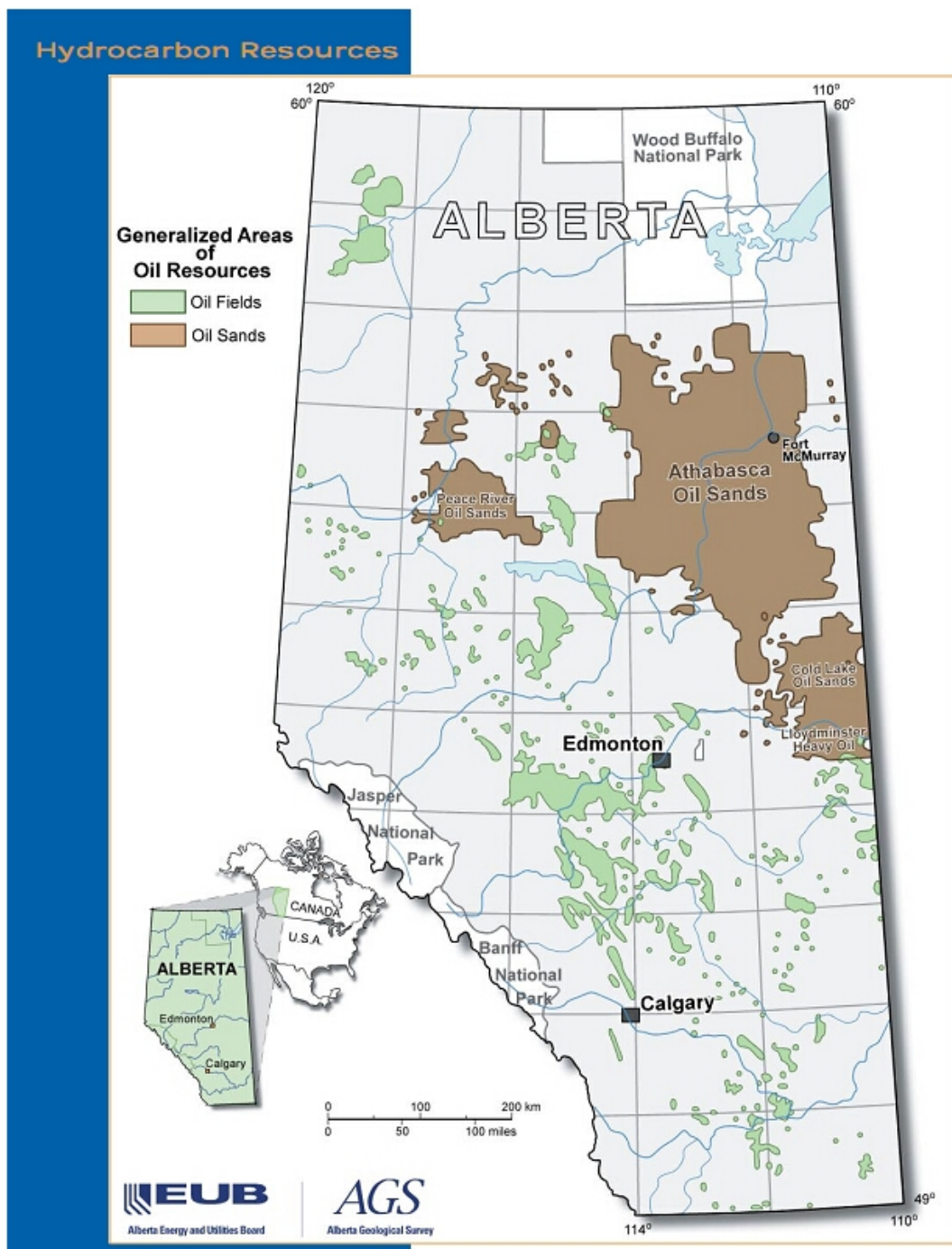


Table 4.3A
Percentage Distribution of Construction Expenditures
of Oil Sands Projects

Industry	Mining (%)	Integrated Mining (%)	In Situ (%)
Manufacturing	72	56	41
Construction	0	0	20
Business Services	8	10	7
Labour	20	34	32
Total	100	100	100

Source: Canadian Energy Research Institute,
Economic Impacts of Alberta's Oil Sands, Volume I, October 2005

Demand for Supplies Generated by Oilsands Capital Investment in the NADC Region, 1997-2007

Method:

The percentage distribution of construction expenditures of oil sands projects is applied to oilsands capital expenditures in the NADC region.

Table 4.B1
Demand for Supplies Generated by Oilsands Capital Investment
in the NADC Region, 1997-2007
In Million Dollars

	1997	1998	1999	2000	2001	2002
Manufacturing	1,049	909	1,620	2,815	3,173	3,669
Construction	212	128	42	129	219	291
Business Services	143	117	190	335	384	448
Labour	511	388	519	944	1,131	1,342
Total	1,915	1,543	2,371	4,223	4,907	5,751

	2003	2004	2005	2006	2007	Total
Manufacturing	3,215	3,821	6,179	7,852	9,655	43,958
Construction	236	397	838	1,514	1,074	5,082
Business Services	399	477	798	1,087	1,412	5,789
Labour	1,198	1,488	2,622	3,884	4,804	18,832
Total	5,048	6,183	10,437	14,337	16,945	73,660

Source: Canadian Energy Research Institute,
Economic Impacts of Alberta's Oil Sands, Volume I, October 2005

Table 4.3B
Percentage Distribution of Sources of Suppliers
for Oil Sands Construction Projects

Industry	Mining		
	Alberta (%)	Rest of Canada (%)	Foreign (%)
Manufacturing	38	16	46
Construction	0	0	0
Business Services	100	0	0
Labour	100	0	0
Total	55	12	33

Industry	Integrated Mining		
	Alberta (%)	Rest of Canada (%)	Foreign (%)
Manufacturing	34	16	50
Construction	0	0	0
Business Services	100	0	0
Labour	100	0	0
Total	61	13	25

Industry	In Situ		
	Alberta (%)	Rest of Canada (%)	Foreign (%)
Manufacturing	64	14	22
Construction	100	0	0
Business Services	95	4	1
Labour	93	7	0
Total	80	10	11

Source: Canadian Energy Research Institute,
Economic Impacts of Alberta's Oil Sands, Volume I, October 2005

Table 4.4
Percentage Distribution of Labour Expenditures
for Oil Sands Construction Projects

Type of Projects	NADC Region (%)	Rest of Alberta (%)	Rest of Canada (%)
Mining	12.0	88.0	0.0
Integrated mining	5.0	95.0	0.0
In Situ	0.0	93.0	7.0

Source: Canadian Energy Research Institute,
Economic Impacts of Alberta's Oil Sands, Volume I,
October 2005.

Table 4.6
Supplies of Goods, Services and Labour Generated by Oilsands
Construction Projects from 1997 to 2007
 In Million Dollars

Industry	Alberta	Rest of Canada	Foreign	Total
Manufacturing	19,244	6,825	17,889	43,958
Construction	5,081	0	0	5,081
Business Services	5,700	71	18	5,789
Labour	18,263	569	0	18,832
Total	48,288	7,465	17,907	73,660

Source: Estimates by GTS Group International

Table 4.7
Supplies of Goods, Services and Labour Per One Billion Dollar Capital
Investment in Oilsands Projects
 In Million Dollars

Industry	Alberta	Rest of Canada	Foreign	Total
Manufacturing	261	93	243	597
Construction	69	0	0	69
Business Services	77	1	0	79
Labour	248	8	0	256
Total	656	101	243	1,000

Source: Estimates by GTS Group International

Table 4.8
Operating Expenditures of Oilsands Plants in the NADC Region, 1997-2007
 In Million Dollars

Year	In-situ	Mining	Upgraders*	Total
1997	418	1,208	38	1,665
1998	434	1,125	96	1,654
1999	431	1,240	114	1,784
2000	477	1,654	158	2,289
2001	518	2,043	192	2,753
2002	423	1,976	106	2,505
2003	517	2,989	194	3,700
2004	715	3,310	213	4,237
2005	1,684	4,005	431	6,120
2006	2,153	5,165	554	7,872
2007	1,673	5,074	1,048	7,795
Total	9,442	29,788	3,145	42,375

Source: Canadian Association of Petroleum Producers,
 Statistical Handbook, March 2009

Note: * One upgrader in the Fort Saskatchewan area is excluded.

Table 4.9
Percentage Distribution of Operating Expenditures
of Oilsands Plants in the NADC Region (%)

Industry	In-situ (%)	Mining (%)	Integrated mining (%)
Manufacturing	21	40	32
Gas utilities	59	17	16
Electric utilities	7	0	0
Business services	2	0	2
Other goods and servic	0	0	4
Total goods and servic	89	57	54
Labour	11	43	46
Total	100	100	100

Source: Canadian Energy Research Institute,
 Economic Impacts of Alberta's Oil Sands, Volume I, October 2005

Table 4.10
Percentage Distribution of Sources of Suppliers for Oil Sands Construction Projects

Industry	Mining			Integrated Mining		
	Alberta (%)	Rest of Canada (%)	Foreign (%)	Alberta (%)	Rest of Canada (%)	Foreign (%)
Manufacturing	38	16	46	34	16	50
Construction	0	0	0	0	0	0
Business Services	100	0	0	100	0	0
Labour	100	0	0	100	0	0
Total	55	12	33	61	13	25

Industry	In Situ		
	Alberta (%)	Rest of Canada (%)	Foreign (%)
Manufacturing	64	14	22
Construction	100	0	0
Business Services	95	4	1
Labour	93	7	0
Total	80	10	11

Source: Canadian Energy Research Institute,
Economic Impacts of Alberta's Oil Sands, Volume I, October 2005

Table 4.11
Supplies of Goods, Services and Labour Required
for the Operations of Oilsands Plants in the NADC Region
in the Period from 1997 to 2007
In Million Dollars

Industry	Alberta	Rest of Canada	Foreign	All Regions
Manufacturing	5,074	3,557	6,273	14,904
Gas utilities	11,138	0	0	11,138
Total goods and services	18,665	2,391	6,023	27,080
Labour	15,295	0	0	15,295
Total	33,960	2,391	6,023	42,375

Source: Estimates by GTS Group International

Appendix 6: Employment Earnings

Wages, Salaries and Supplementary Labour Income in the NADC Region, 2000-2007

Source:

Alberta figures are from CANSIM Table 384-0001 Gross Domestic Product, income based, provincial economic accounts.

Method:

Alberta total is allocated to the NADC region by applying the NADC region's share of total employment by industry in 2001 (from 2000 to 2005) and 2006 (2006 and 2007).

Table 5.2
Wages, Salaries and Supplementary Labour Income
in the NADC Region, 2000-2007
 Million Dollars

Year	Alberta	NADC	NADC as % of Alberta
2000	60,392	5,254	8.7
2001	67,757	5,895	8.7
2002	70,868	6,166	8.7
2003	74,629	6,493	8.7
2004	81,883	7,124	8.7
2005	93,034	8,094	8.7
2006	107,030	10,267	9.6
2007	119,144	11,429	9.6

Source: Alberta figures are from CANSIM Table 384-0001 Gross Domestic Product, income based, provincial economic accounts.

Median Family Income by Census Division in Alberta, 2000 and 2005

Source:

Statistics Canada, Census of Canada, 2001 and 2006.

Method:

Note: NADC Region includes Census Division 19, 18, 17, 16 and some parts of Census Division 12 and 13.

Table 5.1
Median Family Income by Census Division in Alberta, 2000 and 2005
 Dollar

Census Division	Major municipalities	Number (2005)	Number (2000)	Number (% change)	Median (2005)	Median (2000)	Median (% change)
CD 16	Fort McMurray	14,420	11,695	23.3	127,959	104,080	22.9
CD 6	Calgary, Olds, Airdrie, Okotoks, High River	316,820	276,190	14.7	81,790	76,301	7.2
CD 14	Hinton, Edson, Evansburg	7,960	7,665	3.8	80,599	72,939	10.5
CD 19	Peace River, Grande Prairie	27,020	23,640	14.3	80,309	70,059	14.6
CD 11	Edmonton, St. Albert, Westkiwin, Spruce Grove	294,380	263,840	11.6	77,344	70,003	10.5
CD 18	Alberta	898,350	803,915	11.7	76,526	69,561	10.0
CD 18	Valleyview, Fox Creek, Grande Cache	3,985	3,960	0.6	76,877	66,549	15.5
CD 15	Jasper, Lake Louise, Banff	8,500	7,950	6.9	69,227	64,281	7.7
CD 8	Red Deer, Lacombe, Innisfail, Silvan Lake	48,490	41,935	15.6	72,945	64,190	13.6
CD 9	Rocky Mountain House	5,780	5,390	7.2	68,943	61,360	12.4
CD 2	Lethbridge	38,255	35,525	7.7	64,545	60,866	6.0
CD 12	Lac La Biche, Bonnyville, St. Paul	16,350	15,535	5.2	68,326	60,695	12.6
CD 1	Medicine Hat	21,130	19,055	10.9	67,784	60,626	11.8
CD 7	Wainwright, Provost, Coronation, Stetler	10,985	10,995	-0.1	68,162	60,399	12.9
CD 10	Camrose, Vegreville, Vermilion	24,085	23,130	4.1	67,208	59,271	13.4
CD 4	Hann, Oyen, Empress	2,855	3,025	-5.6	62,930	58,395	7.8
CD 13	Athabasca, Westlock, Barrhead, Whitecourt	19,165	18,075	6.0	64,738	57,670	12.3
CD 5	Trochu, Drumheller, Vulcan	13,520	12,470	8.4	65,246	57,204	14.1
CD 17	High Level, Swan Hills	14,880	14,270	4.3	62,563	56,408	10.9
CD 3	Fort Macleod, Cardston, Pincher Creek	9,760	9,570	2.0	54,430	52,707	3.3

Source: Statistics Canada, Census of Canada, 2001 and 2006

Note: NADC Region includes Census Division 19, 18, 17, 16 and some parts of Census Division 12 and 13

Appendix 7: Summary

Economic Contributions of the NADC Region – Summary

Summary statistics from various tables in the report.

Table 7.1
Economic Contribution of the NADC Region - Summary

Economic Contributions	Year	Total Contributions (\$ Million)			Per Capita (\$)	
		NADC Region	Alberta	NADC as % of Alberta	NADC Region	Alberta
International exports	2002	17,675	56,536	31.3	66,489	18,881
	2007	31,208	90,362	34.5	97,870	26,938
Interprovincial exports	2000	5,237	34,952	15.0	20,744	12,137
	2005	7,133	48,386	14.7	24,329	15,205
Municipal government revenues	2002	617	6,800	9.1	2,321	2,271
	2007	1,247	9,154	13.6	3,911	2,729
Alberta government revenues	2002	5,430	20,588	26.4	20,426	6,876
	2007	8,253	35,121	23.5	25,882	10,470
Federal government revenues	2002	2,492	22,672	11.0	9,375	7,571
	2006	4,043	33,072	12.2	13,414	10,199
Capital investment	2002	11,127	41,928	26.5	41,856	14,002
	2008	30,913	97,995	31.5	96,329	28,544
Demand for manufacturing supplies	2000	1,249	29,680	4.2	4,947	10,306
	2008	1,589	44,630	3.6	4,953	13,000
Median family income (\$)*	2000	104,080	69,561	149.6		
	2005	127,959	76,526	167.2		

Source: Various tables in this report.

Notes: * Median family income in Census Division 16 (Fort McMurray) represents the NADC region.