



Alberta Economic Multipliers

2019



Representations and Warranties

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Preface

This publication presents economic multipliers and supply ratios for the Alberta economy calculated using the 2019 Alberta Treasury Board and Finance Input-Output (I/O) model. Information is provided for both the Open (direct and indirect impacts) and Closed (direct, indirect and induced impacts) forms of the model. Economic impacts are presented for the Alberta economy only.

The tables used in this publication are derived from the 2019 Inter-Provincial Supply-Use Tables released by Statistics Canada in November 2022.

In addition to this publication, Alberta Treasury Board and Finance maintains a highly disaggregated I/O model at the detailed level, which covers 240 industries and 492 commodities. The model may be used to simulate directly both Open and Closed impacts, where additional precision or more detailed output is required than is presented in this publication. To make the model more descriptive of changing economic conditions, the commodity structure can also be customized to client specifications.

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Contents

Representations and Warranties	iii
Preface	iv
Introduction	1
The Input-Output Model	2
Alberta Economic Multipliers	5
Description of Economic Multiplier Tables.....	7
Application of Economic Multipliers	9
Table 1: Alberta Simple Multipliers (Industries)	12
Open Model – Direct and Indirect Impacts	
Table 2: Alberta Total Multipliers (Industries)	17
Closed Model – Direct, Indirect and Induced Impacts	
Table 3: Alberta Total Multipliers With Safety Net (Industries)	22
Closed Model – Direct, Indirect and Induced Impacts	
Table 4: Alberta Type I Multipliers (Industries)	27
Open Model – Direct and Indirect Impacts	
Table 5: Alberta Type II Multipliers (Industries)	32
Closed Model – Direct, Indirect and Induced Impacts	
Table 6: Alberta Type II Multipliers With Safety Net (Industries)	37
Closed Model – Direct, Indirect and Induced Impacts	
Table 7: Alberta Simple Multipliers (Commodities).....	42
Open Model – Direct and Indirect Impacts	
Table 8: Alberta Total Multipliers (Commodities).....	52
Closed Model – Direct, Indirect and Induced Impacts	
Table 9: Alberta Total Multipliers With Safety Net (Commodities).....	62
Closed Model – Direct, Indirect and Induced Impacts	
Table 10: Alberta Type I Multipliers (Commodities).....	72
Open Model – Direct and Indirect Impacts	
Table 11: Alberta Type II Multipliers (Commodities).....	82
Closed Model – Direct, Indirect and Induced Impacts	
Table 12: Alberta Type II Multipliers With Safety Net (Commodities).....	92
Closed Model – Direct, Indirect and Induced Impacts	
Table 13: Alberta Commodity Supply Ratios (Percent)	102

Introduction

Measuring Production in the Economy

The most common measure of production in the economy is Gross Domestic Product (GDP). GDP captures the value of goods and services produced for final domestic consumption, export or investment. In other words, it covers only the final, unduplicated output. For example, the value of a good or service sold by Industry A to Industry B—which in turn is used in Industry B's production process for sale into final demand—is not directly recorded in GDP. Industry A's output is not counted directly because it is implicitly included in the value of output of Industry B when it is sold into final demand. Including Industry A's output would result in double-counting its contribution to the overall economy. To avoid this problem, in calculating GDP, goods or services are valued only at the point where they are sold into final domestic demand (i.e., to households for consumption, to business for investment, or to government for current or capital expenditure) or when they are exported.

An inherent limitation of GDP is that it does not capture goods and services consumed during the production process (i.e., intermediate inputs). While the GDP method ensures there is no duplication, useful information concerning the flow of goods and services among the various industries and consuming sectors in an economy is not revealed.

To better reflect the flow of goods and services in the economy, it is necessary to use another valuation method called total output. Total output captures the value of goods and services for final consumption or export, plus those that are consumed during the production process (referred to as intermediate inputs). These aspects are the focus of Input-Output (I/O) analysis.

The System of National Accounts

The System of National Accounts (SNA) developed by Statistics Canada provides the tools to analyze production from both a value-added GDP and I/O perspective. This enables the measurement of the value of goods and services in the economy, including the flow of commodities to final demand sectors, the cost of primary inputs to industries, and the value added by industries.

There are four key statistical components of the SNA:

- Supply and use tables, which summarize the total output of commodities by industry and the use of commodities by industries. They reflect the flow of commodities between industries and to final demand sectors, the value added by industry, and the cost of inputs to industries. In this way, the supply and use tables describe the production activity in the economy.
- Income and expenditure accounts, which focus on income generated by productive activity and final expenditure on that production. It is from these tables that the common measure of GDP is calculated. Estimates of Alberta GDP can be found in the income and expenditure accounts of the Alberta Economic Accounts.
- Financial flow and national balance sheet accounts, which focus on capturing transactions in assets and liabilities for a number of institutional sectors. The financial flows accounts reveal the financing of economic activity.
- Balance of payments and international investment position, which are devoted entirely to transactions with non-residents or the rest of the world in the economy.

For more detailed discussion on the SNA, please go to the Statistics Canada website, System of National Economic Accounts User Guide: [Canadian System of Macroeconomic Accounts \(statcan.gc.ca\)](https://www150.statcan.gc.ca/n1/pub/62-625-x/2019001/article/00001-eng.htm).

The Input-Output Model

What are I/O Models?

Input-Output (I/O) models use the information from I/O tables to capture the interdependence of industries and reflect the flow of goods and services through the economy. The main purpose of I/O models is for impact analysis, which measures how changes in industry output or final demand of commodities impact the economy in terms of total output, GDP, employment and labour income.

I/O analysis has its foundations in the analytical framework developed by Wassily Leontief in the late 1930s. In its most basic form, an I/O model consists of a system of linear equations that represent how various industries' commodities are distributed throughout the economy. The models are based on tables that describe the flow of commodities through the economy from producers in one industry to another industry, and to final demand. Table 1 represents a simplified I/O framework:

Table 1: Simplified I/O Accounting Framework

	Industries	Net Final Demand	Total Output
Industries	F	Y	X
Value-added (Primary Inputs)	V		
Total Input	X		

Source: UN Handbook of Input-Output Table Compilation and Analysis, 1999

In practice, I/O models have been developed to incorporate the effects of inter-regional trade flows, employment, taxes and other variables.

Table 1 shows the flow of commodities from the supplying sectors to the consuming sectors, including other industries and final demand entities. The industries on the columns of matrix F are consuming sectors, while the industries on the rows of F are supplying sectors. Total input is the sum of the inputs supplied by industries (columns of F) and any value added (other non-industrial inputs to production like labour, profit, indirect taxes and depreciation of capital).

Total output is the sum of output consumed by industries in the production process (represented in rows of F), plus net final demand. In summary, the total value of output in the economy equals the sum of its inputs (Total Input X = Total Output X).

From this table, a system of fixed-coefficient linear production functions can be developed that represent the proportion of commodities being supplied and consumed by each industry. These coefficients are the backbone of I/O

analysis because they represent how changes in input or output will impact the entire economy.

I/O Impacts and Model Closure

The impacts derived from I/O models can be separated into direct, indirect, and induced impacts:

- Direct impacts are those first-level impacts resulting from a shock or change in demand, to either industry output or final demand. They refer to the direct impact on those industries that must respond to satisfy the change in demand for commodities.
- Indirect impacts are secondary and are generated from the linkages between industries. They refer to the impacts on industries that supply intermediate inputs to the industries directly impacted by the shock.
- Induced impacts capture the income effect of the shock. They measure the impact of additional consumption from spending the wages generated by the shock. For example, when there is an increase in final demand, industries have to increase production. They hire additional people, who receive wages. It is assumed that these households, after withdrawing a portion of their income for savings and taxes, spend the rest of their income on consumer goods and services. This creates an additional multiplier effect on the economy.

Calculating GDP

The three methods for calculating GDP can be applied using the I/O framework above.

1. The value-added approach, which is the sum of value added for all industries (subtracting purchases from other businesses from the total value of output);
2. The income approach, which adds up all the factor incomes generated in the production process (for example, labour and profits);
3. The final expenditure approach, which is the sum of all sales to end users, including exports net of imports.

Open vs. Closed

The impact of spending by final demand categories can be considered external to an I/O model because decisions about spending come from factors outside the model, such as availability, personal preference, etc. This means that the final demand by these entities is taken as a given and is unrelated to the level of production by industries in the model. In this type of model, which is referred to as an “Open” I/O model, direct and indirect impacts are measured, while induced impacts are not measured.

In reality, there is a link between households and the production process through labour and wages, represented by induced impacts. In this case, the household sector is endogenous to the model and treated as a production sector. The input of the household sector is consumer expenditure on goods and services, while output is labour income (consisting of wages and salaries, supplementary labour income and labour income of the unincorporated sector). An I/O model which makes households endogenous is referred to as a “Closed” model. I/O models can also be “closed” to other factors such as government sales and purchases, but closure to households is the most common. In this type of model, all three impacts are measured (i.e., direct, indirect and induced).

Closing an I/O model to households increases the interdependence of the system and results in a higher impact on the variables of the model, leading to multipliers of a larger magnitude than those based on the open version. The closed model has been criticized because it introduces a bias in favor of those economic projects with a higher labour content. For example, consider where two projects have identical purchased inputs and the same level of direct GDP, but one project has a higher proportion of labour income and the other a higher proportion of operating surplus (e.g., corporation profits). In this situation, the closed model will estimate a larger economic impact for the project with the higher proportion of labour income (other things being equal). This result occurs because the model has been “closed” to household spending but not to profits, and the induced impacts estimated by the model are related to the level of household income rather than profits. Care should be exercised when interpreting closed model results.

Limitations of I/O Models

I/O analysis is based on various assumptions about the economy and the linkages among industries and commodities. While I/O models are very useful tools in the decision-making process, users should be aware of the caveats and limitations when applying them:

- The relationship between industry inputs and outputs is linear and fixed, meaning that a change in demand for a commodity or for the outputs of any industry will result in a proportional change in production. The model cannot account for economies/diseconomies of scale or structural changes in production technologies, an assumption which does not necessarily hold in the actual economy.
- Prices are fixed in the model.
- I/O models reflect industry averages for technology use and average input costs. For these and other reasons, an I/O model will not provide a totally complete or absolute measure of the impact of economic change.
- I/O models are static and do not take into account the amount of time required for changes to happen.
- There are no capacity constraints, and all industries are operating at capacity. This implies that an increase in output results in an increase in demand for labour (rather than simply re-deploying existing labour). It also implies that displacement will not occur in existing industries, as new projects are completed.

The structure and limitations of I/O models lend themselves to measuring the impacts of short-term projects; generally, they are used to look at shocks to the economy. For longer-term time series analysis, the use of general equilibrium models are more appropriate.

The Alberta I/O Model

Alberta Treasury Board and Finance has developed an I/O model for the Alberta economy based on the structure of Statistics Canada's inter-provincial model. Although the Alberta model accounts for the interaction of imports and exports on the Alberta economy (both inter-provincial and international), the Alberta model only provides impacts for Alberta. The model has the capacity to run impact analysis on industry expenditures, output and changes in final demand.

The key inputs to the model are the Alberta Supply-Use tables, produced annually by Statistics Canada through the SNA. The Supply-Use tables consist of the output, input and final demand matrices. The output matrix is a table that shows the value of goods and services produced by each industry. The input matrix shows the makeup of the inputs needed for each industry to produce its output, and the final demand matrix shows the final consumption of goods and services in the economy. Using these tables, it is possible to produce a system similar to the one outlined in Table 1. The model is used to estimate the amount of output, GDP and jobs generated by a given impact.

A "Safety Net" feature was added to the model. This enables the assumption that a certain number of jobs required for a change in output of a project will come from people who are receiving employment insurance. When this new feature is activated, the induced impacts resulting from a project will be lower. This means that the amount of additional income earned will be lower than if those employees had not been receiving employment insurance benefits. This publication includes both Closed model results without a "Safety Net" and Closed model values with this feature activated.

Alberta Economic Multipliers

The most common application of I/O models are the economic multipliers, which are generated by the I/O model for industries and commodities. Economic multipliers capture the impact of shocks to the economy on output, GDP, labour income and employment. They enable users to do impact analysis without getting into the detailed analysis associated with the I/O models.

Limitations of I/O Multipliers

Economic multipliers are subject to the same caveats and limitations as the I/O models. This includes the caveats associated with fixed prices, production technology and capacity. In addition, there are several other things to keep in mind when using multipliers:

- Multipliers are specific to regions and economies. The multipliers in this publication are for the Alberta economy, and thus cannot be used to estimate impacts for other jurisdictions.
- The size and interpretation of a multiplier depend on how it is defined. There are multipliers that measure the impact on gross output, while others measure GDP. GDP multipliers are often more desirable because they eliminate the double counting of expenditures or benefits. It is important to carefully consider which multiplier is appropriate for a project.
- Impacts reflect the structure of the economy and industry linkages at a point in time (e.g., 2019). If these linkages have changed, the calculation of the impacts in another year (e.g., 2023) will be less valid. Generally, the further the year of analysis from the year of the multipliers, the greater the limitations.
- Since I/O models are static, the multipliers do not give any indication about the time it takes for changes to happen.

Alberta Multiplier Structure

Open and Closed Multipliers

There are four main kinds of multipliers presented in this publication: Simple, Total, Type I and Type II multipliers. Simple and Type I multipliers reflect direct and indirect impacts only. Total and Type II multipliers reflect induced impacts in addition to direct and indirect impacts. This approach allows users to use both versions for the purposes

of analysis and to judge for themselves where the inclusion of induced impacts is warranted or advisable.

Basic and Purchaser Prices

GDP multipliers are presented at both basic and purchaser prices (market prices). But all other multipliers are presented at basic prices. Data that are measured at basic prices reflect the price received directly by the producer of the commodity. For example, this corresponds to the “farm gate” price in agriculture or the price received directly by a producing establishment in manufacturing. Data measured at purchaser prices reflects the price paid by the final users of the commodity. This price, in addition to the price received by the producer of the commodity, reflects other costs such as the price of transportation from the producer to the final seller, wholesale and retail mark-ups, and commodity indirect taxes. These other costs, which are added to basic prices to derive purchaser prices, are referred to as margins. The model treats these margins as if they were purchased directly by the purchaser of the final good. GDP by Industry is measured in basic prices, while GDP by expenditure is measured in purchaser prices.

Commodity Supply Ratios

Most commodities consumed in Alberta, either as intermediate inputs or through final demand, are not fully produced in Alberta. Often a portion is imported from other parts of Canada or internationally. Table 13 shows the Alberta Commodity Supply Ratios, summarizing the proportion of the supply that comes from within and outside Alberta for each major commodity group. For instance, 83.2 percent of canola is produced in Alberta, while 14.6 percent come from the rest of Canada and 2.2 percent come from the rest of the world.

Note that the multipliers presented in this publication reflect the impact of output produced in Alberta only. This means that Table 13 should always be applied whenever a commodity is being purchased to remove imports, thereby determining the actual value of Alberta-based output. For example, a purchase of \$1,000,000 of canola:

- Alberta output: $\$1,000,000 * 83.2\% = \$831,790$.
- Calculation: $\$831,790 * \text{multiplier} = \text{IMPACT}$.

If the analysis revolves around the production of a commodity, rather than the purchasing of the commodity, then the application of Table 13 is not necessary.

Application of the Alberta Multipliers

Due to the limitations of the I/O model, it is unlikely that many of the assumptions and caveats associated with the multipliers would hold fully in the real world. It is important to understand the limitations and apply the multipliers in a sensible way.

The most common application of multipliers is to estimate the economic impact associated with the establishment of a new firm, or the expansion of existing firms (or a firm closure/contraction). In these cases, it is preferable to use economic multipliers for relative, rather than absolute, comparisons. This means that while economic multiplier analysis may be used to determine which activity has the largest economic impact, it should not be used to estimate the absolute impact of any single activity. Multipliers are based on averages, so where multipliers are used to estimate the impacts of a single activity, the results should only be treated as an approximation of the real impacts.

Projects that rely more on locally produced commodities generate higher impacts than those that rely primarily on imports. The greater the linkages between an industry and other parts of the economy, and the greater the value of these linkages, the larger the industry's multiplier.

Since the I/O model describes the Alberta economy in 2019, it is highly recommended to adjust all dollar values to 2019 using appropriate price deflator, such as the Alberta Consumer Price Index, in order to better capture the actual volumes of commodities associated with the impacts.

Employment multipliers show the total number of jobs required to support the change in activity being considered, but do not indicate the number of new jobs created. When the economy is running at full employment, it is important to remember that the number of jobs required for a particular project must come from other projects/industries or from outside the province. As indicated above, the I/O model assumes unlimited capacity, but in reality, there is a limited number of people in the workforce. Note that all employment impacts referenced throughout this document are measured in person-years. A person year refers to the amount of labour provided by a full-time worker.

Description of Economic Multiplier Tables

In this publication, economic multipliers are presented for total output, GDP at basic prices and market prices, labour income and employment. Below is a brief description of each of the tables contained in this publication and how they should be used. Tables 1 through 6 present multipliers by industries, tables 7 through 12 present multipliers by commodities, and table 13 presents commodity supply ratios for Alberta.

Some examples are provided below to demonstrate how to use the multiplier tables. For simplicity, all dollar values are assumed to be at 2019 prices.

Table 1: Simple Multipliers by Industry Open Model

Table 1 presents Simple Multipliers by Industry that measure the direct and indirect effects on the Alberta economy due to a change in output for each of the 240 major industries.

The impacts on output, GDP and labour income are expressed as impacts per dollar of output change, while employment impacts are expressed as the number of jobs per \$1,000,000 of output.

Example:

If there was a \$1 million increase in the output of the Residential Building Construction Industry, the economic impacts would be as follows:

- The impact on output:
 $1.445 * \$1,000,000 = \$1,445,00.$
- The impact on GDP at basic prices:
 $0.670 * \$1,000,000 = \$670,00.$
- The impact on labour income:
 $0.456 * \$1,000,000 = \$456,000.$
- The impact on employment required:
 $5.8 * (\$1,000,000 / \$1,000,000) = 6 \text{ jobs.}$

Table 2: Total Multipliers by Industry Closed Model

Table 2 is analogous to Table 1, except that it presents results for the closed model, which includes induced impacts in addition to the direct and indirect impacts.

Table 3: Total Multipliers by Industry Closed Model with Safety Net

Table 3 is analogous to Table 2 except that induced impact is calculated with safety net.

Table 4: Type I Multipliers by Industry Open Model

Table 4 consists of multipliers (direct and indirect) for industries. To use these multipliers, the user must know the direct increase in GDP, labour income and the direct number of jobs for which the economic impacts are being analyzed.

- To use the GDP multiplier, the direct GDP content associated with some change in output must be known or calculated. The components of direct GDP at basic prices are those items which make up labour income, net taxes on production and a firm's operating surplus (profits, depreciation, etc.). The GDP multiplier is then applied to this value.
- To use the labour income multiplier, the direct increase in wages, supplementary labour income and labour income of unincorporated sector must be known or estimated. The labour income multiplier is then applied to this value.
- The employment multiplier is expressed in terms of total number of jobs per direct job. For example, if a firm in Residential Building Construction industry was established and employed 100 people directly, a total of $100 * 1.426 = 143$ jobs would be required (i.e., 100 direct jobs, plus an additional 43 indirect jobs). Please note that the multiplier does not distinguish between employee jobs and self-employed jobs (including persons working in a family business without pay).
- The output multiplier is expressed in terms of total gross production per dollar of direct production.

Table 5: Type II Multipliers by Industry Closed Model

Table 5 is analogous to Table 4, except that it presents results for the closed model, which includes induced impacts in addition to the direct and indirect impacts.

Table 6: Type II Multipliers by Industry Closed Model with Safety Net

Table 6 is analogous to Table 5 except that induced impact is calculated with safety net.

Table 7: Simple Multipliers by Commodity

Open Model

Table 7 is analogous to Table 1, except that it presents results for 492 commodities.

Example:

If output of poultry increased by \$10 million in Alberta, the economic impacts would be as follows:

- The impact on output:
 $2.360 \times \$10,000,000 = \$23,600,000.$
- The impact on GDP at basic prices:
 $0.545 \times \$10,000,000 = \$5,450,000.$
- The impact on labour income:
 $0.367 \times \$10,000,000 = \$3,670,000.$
- The impact on employment required:
 $7.7 \times (\$10,000,000 / \$1,000,000) = 77 \text{ jobs}.$

Table 8: Total Multipliers by Commodity

Closed Model

Table 8 is analogous to Table 7, except that it presents results for the closed model, which includes induced impacts in addition to the direct and indirect impacts.

Table 9: Total Multipliers by Commodity

Closed Model with Safety Net

Table 9 is analogous to Table 8, except that induced impact is calculated with safety net.

Table 10: Type I Multipliers by Commodity

Open Model

Table 10 is analogous to Table 4, except that it presents results for 492 commodities.

Table 11: Type II Multipliers by Commodity

Closed Model

Table 11 is analogous to Table 10, except that it presents results for the closed model, which includes induced impacts in addition to the direct and indirect impacts.

Table 12: Type II Multipliers by Commodity

Closed Model with Safety Net

Table 12 is analogous to Table 11 except that induced impact is calculated with safety net.

Table 13: Commodity Supply Ratios

Table 13 shows the origin of commodities purchased in Alberta. The data is presented as a percent for Alberta, for the rest of Canada and for the rest of the world. This table indicates both the extent of “openness” of the Alberta economy and the degree to which the economy depends on imports. For example, 83.2% of canola purchased in Alberta were supplied by Alberta domestic production, 14.6% were imported from the rest of Canada, and 2.2% were imported from outside Canada.

Application of Economic Multipliers

The following example shows how the multipliers are used. In this example, the goal is to analyze which of two projects will provide a greater economic impact on the Alberta economy.

In general, the information available to do the analysis will determine which multiplier is most appropriate to use. For the purposes of this example, the calculations only use simple multipliers. The same calculations can be done using the appropriate total multipliers.

For proper application of the multipliers, all dollar values should be adjusted to 2019 prices using appropriate price deflator(s). For simplicity, all dollar values below are presented at 2019 prices.

The following information is available:

Project 1: Construction of an establishment in the Wood Product Manufacturing Industry

The plant (establishment) will cost \$4 million (at basic prices) to build in 2023. A further \$1 million will be spent purchasing industrial machinery. When in operation in 2024, the plant will generate annual sales of \$3 million (at basic prices).

Project 2: Expansion of output by an establishment in the Wholesale Trade Industry

This project expands production by \$3.2 million (at basic prices) in 2023 and 2024.

Analysis of Project 1

To analyze the impact of Project 1, it is necessary to divide the project into two phases. The first phase occurs in 2023 and involves the effects of constructing the plant and purchasing the machinery. The second phase is the economic impacts of the yearly output of the plant beginning in 2024.

Construction Phase of Project 1:

For the impacts associated with the construction of the plant, the appropriate economic multipliers can be found in Table 1. In this case, the industry here is Non-Residential Building Construction.

The construction phase during 2023 would have the following effects:

- The impact on GDP at basic prices:
 $0.598 * \$4,000,000 = \$2,391,000.$
- The impact on labour income:
 $0.422 * \$4,000,000 = \$1,688,000.$
- Employment required:
 $4.4 * (\$4,000,000/\$1,000,000) = 17 \text{ jobs}.$

The impacts of purchasing the commercial and service industry machinery in 2023 are estimated by using the appropriate economic multipliers in Table 7. Since a commodity is being purchased, Table 13 must be applied to account for the proportion of output coming from Alberta. Table 13 indicates that 13.4 percent of the commercial and service industry machinery purchased in Alberta is produced in the province, so the value of the machinery purchased must be adjusted to reflect this.

The calculated impacts due to machinery purchases are as follows:

- Total value of Alberta machinery:
 $13.4 \% * \$1,000,000 = \$134,049.$
- The impact on GDP at basic prices:
 $0.518 * \$134,049 = \$69,405.$
- The impact on labour income:
 $0.289 * \$134,049 = \$38,691.$
- Employment required:
 $3.2 * (\$134,049/1,000,000) = \text{less than 1 job}.$

Alberta clearly derives more economic benefit from the construction activity associated with Project 1 than it does from the purchase of industrial machinery. This is partly due to the higher Alberta content for construction (i.e., local labour and materials) compared with machinery, which is predominately produced outside the province.

Operations Phase of Project 1:

The second phase of impacts associated with Project 1 involves the actual operation of the plant, which would begin operations in 2024. For this phase, the industry tables are used, since the impacts associated with the output of a particular industry are being analyzed. To use Table 1, the procedure is to locate the appropriate industry and apply the multipliers to the value of output. Here, information for the veneer, plywood and engineering wood product manufacturing industry is used, yielding the following impacts:

- The impact on GDP at basic prices:
 $0.666 * \$3,000,000 = \$1,999,000$.
- The impact on labour income:
 $0.361 * \$3,000,000 = \$1,082,000$.
- Employment required:
 $3.7 * (\$3,000,000/\$1,000,000) = 11$ jobs.

Analysis of Project 2

The only information provided for Project 2 is that output will increase by \$3.2 million at 2019 prices in both 2023 and 2024 for an establishment in the building material and supplies merchant wholesalers. Since only industry data on output have been provided, Table 1 can be used to calculate the impacts.

The \$3.2 million change in output is applied to each multiplier, yielding the following total impacts:

- Impact to GDP at basic prices:
 $0.851 * \$3,200,000 = \$2,725,000$.
- Impact on labour income:
 $0.573 * \$3,200,000 = \$1,832,000$.
- Employment required:
 $6.7 * (\$3,200,000/\$1,000,000) = 21$ jobs.

Since the output is the same for 2023 and 2024 (\$3.2 million), the impacts would be the same for both years.

Comparison of the Two Projects

The last step in the analysis is to compare the results of the two projects. The following is a summary of the results (note that for Project 1, we have to combine the impacts of the construction activities and the industrial machinery purchases to get total impact for 2023):

	Project 1	Project 2
GDP (\$000s):		
2023	2,460	2,725
2024	1,999	2,725
Labour Income (\$000s):		
2023	1,727	1,832
2024	1,082	1,832
Employment (Jobs):		
2023	17	21
2024	11	21

It is clear that project 2 is better than project 1 in every respect for every year. Resulting comparisons for different projects will not always offer an unambiguously advantageous project because different industries have different relative impacts in terms of employment, labour income and GDP. It is up to policy makers to decide which metrics are most important to them when making comparisons.

It must be remembered that when the economy is in a phase of full employment, an increase in resources in one project may draw resources from other industries, reducing the overall impact. Furthermore, the multipliers used in the above examples reflect the structure of the economy and industry linkages in 2019. If these linkages were to have changed materially by 2023 or 2024, the impacts calculated above will be less valid. Given the structural impacts of COVID 19 on the economy in 2020-2021, it is more important than ever to be mindful of this.



Tables

Table 1: Alberta Simple Multipliers (Industries)	12
Open Model – Direct and Indirect Impacts	
Table 2: Alberta Total Multipliers (Industries)	17
Closed Model – Direct, Indirect and Induced Impacts	
Table 3: Alberta Total Multipliers With Safety Net (Industries)	22
Closed Model – Direct, Indirect and Induced Impacts	
Table 4: Alberta Type I Multipliers (Industries)	27
Open Model – Direct and Indirect Impacts	
Table 5: Alberta Type II Multipliers (Industries)	32
Closed Model – Direct, Indirect and Induced Impacts	
Table 6: Alberta Type II Multipliers With Safety Net (Industries)	37
Closed Model – Direct, Indirect and Induced Impacts	
Table 7: Alberta Simple Multipliers (Commodities).....	42
Open Model – Direct and Indirect Impacts	
Table 8: Alberta Total Multipliers (Commodities).....	52
Closed Model – Direct, Indirect and Induced Impacts	
Table 9: Alberta Total Multipliers With Safety Net (Commodities).....	62
Closed Model – Direct, Indirect and Induced Impacts	
Table 10: Alberta Type I Multipliers (Commodities).....	72
Open Model – Direct and Indirect Impacts	
Table 11: Alberta Type II Multipliers (Commodities).....	82
Closed Model – Direct, Indirect and Induced Impacts	
Table 12: Alberta Type II Multipliers With Safety Net (Commodities).....	92
Closed Model – Direct, Indirect and Induced Impacts	
Table 13: Alberta Commodity Supply Ratios (Percent)	102

**Table 1: Alberta Simple Multipliers (Industries)
Open Model – Direct and Indirect Impacts**

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Crop production (except cannabis, greenhouse, nursery and floriculture production)	1.518	0.683	0.688	0.368	3.3
Greenhouse, nursery and floriculture production (except cannabis)	1.431	0.695	0.704	0.522	18.5
Cannabis production (licensed)	1.382	0.774	0.792	0.373	18.7
Cannabis production (unlicensed)	1.434	0.870	0.904	0.761	18.0
Animal production (except aquaculture)	2.360	0.545	0.546	0.367	7.7
Aquaculture	1.513	0.524	0.534	0.368	10.4
Forestry and logging	1.736	0.705	0.728	0.445	5.5
Fishing, hunting and trapping	1.152	0.877	0.878	0.727	10.7
Support activities for crop and animal production	1.269	0.888	0.854	0.654	8.5
Support activities for forestry	1.515	0.699	0.716	0.471	5.8
Oil and gas extraction (except oil sands)	1.499	0.704	0.714	0.414	3.2
Oil sands extraction	1.285	0.796	0.801	0.184	1.4
Coal mining	1.681	0.696	0.710	0.441	4.0
Iron ore mining	NA	NA	NA	NA	NA
Gold and silver ore mining	1.316	0.719	0.738	0.259	7.1
Copper, nickel, lead and zinc ore mining	NA	NA	NA	NA	NA
Other metal ore mining	NA	NA	NA	NA	NA
Stone mining and quarrying	1.315	0.866	0.872	0.479	3.8
Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying	1.474	0.796	0.813	0.357	3.2
Diamond mining	NA	NA	NA	NA	NA
Other non-metallic mineral mining and quarrying (except diamond and potash)	1.253	0.817	0.823	0.197	2.9
Potash mining	NA	NA	NA	NA	NA
Support activities for oil and gas extraction	1.196	0.835	0.838	0.505	5.0
Support activities for mining	1.290	0.797	0.800	0.602	4.4
Electric power generation, transmission and distribution	1.451	0.809	0.817	0.458	3.4
Natural gas distribution	1.207	0.900	0.902	0.260	2.6
Water, sewage and other systems	1.649	0.678	0.729	0.283	3.3
Residential building construction	1.445	0.670	0.674	0.456	5.8
Non-residential building construction	1.420	0.598	0.602	0.422	4.4
Transportation engineering construction	1.652	0.604	0.611	0.396	5.1
Oil and gas engineering construction	1.438	0.682	0.685	0.524	5.3
Electric power engineering construction	1.316	0.739	0.744	0.361	4.3
Communication engineering construction	1.314	0.459	0.464	0.296	3.7
Other engineering construction	1.492	0.637	0.644	0.446	5.9
Repair construction	1.481	0.660	0.666	0.518	6.4
Other activities of the construction industry	1.302	0.728	0.746	0.425	3.5
Animal food manufacturing	1.646	0.470	0.476	0.251	3.6
Grain and oilseed milling	1.867	0.552	0.557	0.250	2.4
Sugar and confectionery product manufacturing	1.295	0.413	0.418	0.305	4.1
Fruit and vegetable preserving and specialty food manufacturing	1.559	0.590	0.596	0.331	4.0
Dairy product manufacturing	2.217	0.597	0.602	0.334	4.9
Meat product manufacturing	2.239	0.515	0.517	0.308	5.3
Seafood product preparation and packaging	1.238	0.603	0.605	0.276	1.7
Bakeries and tortilla manufacturing	1.358	0.583	0.589	0.356	5.7
Other food manufacturing	1.362	0.668	0.673	0.313	5.1
Soft drink and ice manufacturing	1.466	0.506	0.513	0.342	5.0
Breweries	1.287	0.696	0.695	0.223	2.9
Wineries and distilleries	1.314	0.726	0.738	0.256	3.5
Tobacco manufacturing	1.463	0.661	0.668	0.459	1.1
Textile and textile product mills	1.275	0.513	0.519	0.447	7.6
Clothing and leather and allied product manufacturing	1.356	0.586	0.594	0.525	9.3
Sawmills and wood preservation	1.906	0.730	0.744	0.444	4.7

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Veneer, plywood and engineered wood product manufacturing	1.626	0.666	0.674	0.361	3.7
Other wood product manufacturing	1.641	0.643	0.651	0.485	7.1
Pulp, paper and paperboard mills	1.693	0.615	0.623	0.327	2.8
Converted paper product manufacturing	1.278	0.453	0.458	0.300	3.4
Printing and related support activities	1.328	0.655	0.660	0.445	6.2
Petroleum refineries	1.865	0.713	0.719	0.192	1.5
Petroleum and coal product manufacturing (except petroleum refineries)	1.715	0.597	0.607	0.351	3.6
Basic chemical manufacturing	1.791	0.716	0.729	0.242	1.9
Resin, synthetic rubber, and artificial and synthetic fibres and filaments manufacturing	1.735	0.742	0.749	0.202	1.4
Pesticide, fertilizer and other agricultural chemical manufacturing	1.575	0.648	0.663	0.308	3.0
Pharmaceutical and medicine manufacturing	1.257	0.566	0.568	0.420	4.2
Paint, coating and adhesive manufacturing	1.321	0.660	0.622	0.317	4.4
Soap, cleaning compound and toilet preparation manufacturing	1.364	0.539	0.545	0.365	4.3
Other chemical product manufacturing	1.413	0.412	0.414	0.296	2.5
Plastic product manufacturing	1.530	0.576	0.583	0.409	5.2
Rubber product manufacturing	1.204	0.514	0.460	0.246	2.4
Non-metallic mineral product manufacturing (except cement and concrete products)	1.470	0.671	0.678	0.389	5.2
Cement and concrete product manufacturing	1.594	0.697	0.708	0.341	3.7
Iron and steel mills and ferro-alloy manufacturing	1.504	0.647	0.654	0.375	3.4
Steel product manufacturing from purchased steel	1.491	0.445	0.452	0.346	3.1
Alumina and aluminum production and processing	1.153	0.380	0.383	0.170	2.4
Non-ferrous metal (except aluminum) production and processing	1.229	0.169	0.172	0.109	0.9
Foundries	1.348	0.662	0.667	0.535	6.5
Forging and stamping	1.279	0.460	0.463	0.208	1.8
Cutlery, hand tools and other fabricated metal product manufacturing	1.301	0.590	0.594	0.394	4.1
Architectural and structural metals manufacturing	1.429	0.569	0.573	0.415	4.8
Boiler, tank and shipping container manufacturing	1.319	0.553	0.557	0.373	3.8
Hardware manufacturing	1.168	0.659	0.663	0.635	8.7
Spring and wire product manufacturing	1.316	0.519	0.524	0.564	5.0
Machine shops, turned product, and screw, nut and bolt manufacturing	1.354	0.650	0.655	0.506	6.2
Coating, engraving, cold and heat treating and allied activities	1.320	0.659	0.664	0.497	5.5
Agricultural, construction and mining machinery manufacturing	1.198	0.494	0.497	0.319	3.6
Industrial machinery manufacturing	0.968	0.356	0.358	0.251	3.1
Commercial and service industry machinery manufacturing	1.179	0.494	0.498	0.429	6.3
Ventilation, heating, air-conditioning and commercial refrigeration equipment manufacturing	1.207	0.639	0.640	0.367	4.4
Metalworking machinery manufacturing	1.309	0.630	0.635	0.434	4.7
Engine, turbine and power transmission equipment manufacturing	1.228	0.523	0.525	0.205	1.8
Other general-purpose machinery manufacturing	1.225	0.544	0.547	0.329	3.1
Computer and peripheral equipment manufacturing	1.260	0.574	0.576	0.502	3.8
Communications equipment manufacturing	1.204	0.548	0.551	0.391	4.9
Other electronic product manufacturing	1.158	0.547	0.549	0.246	2.4
Semiconductor and other electronic component manufacturing	1.279	0.510	0.497	0.459	7.8
Electric lighting equipment manufacturing	1.216	0.506	0.518	0.265	2.5
Household appliance manufacturing	1.172	0.622	0.625	0.479	8.9
Electrical equipment manufacturing	1.153	0.388	0.390	0.336	2.8
Other electrical equipment and component manufacturing	1.287	0.627	0.632	0.304	4.2
Automobile and light-duty motor vehicle manufacturing	1.276	0.660	0.665	0.663	9.8

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Heavy-duty truck manufacturing	1.278	0.604	0.607	0.283	7.6
Motor vehicle body and trailer manufacturing	1.197	0.413	0.417	0.312	3.6
Motor vehicle gasoline engine and engine parts manufacturing	1.377	0.469	0.469	0.375	5.4
Motor vehicle electrical and electronic equipment manufacturing	1.272	0.721	0.727	0.288	4.0
Motor vehicle steering and suspension components (except spring) manufacturing	1.197	0.387	0.390	0.268	3.1
Motor vehicle brake system manufacturing	1.309	0.448	0.453	0.268	4.8
Motor vehicle transmission and power train parts manufacturing	1.144	0.344	0.347	0.240	3.2
Motor vehicle seating and interior trim manufacturing	1.143	0.683	0.690	0.481	8.5
Motor vehicle metal stamping	1.164	0.651	0.654	0.489	7.4
Other motor vehicle parts manufacturing	1.262	0.637	0.640	0.573	5.6
Aerospace product and parts manufacturing	1.230	0.541	0.542	0.408	3.4
Railroad rolling stock manufacturing	NA	NA	NA	NA	NA
Ship and boat building	1.240	0.627	0.632	0.427	6.9
Other transportation equipment manufacturing	1.182	0.453	0.455	0.315	3.1
Household and institutional furniture and kitchen cabinet manufacturing	1.258	0.548	0.553	0.413	7.7
Office furniture (including fixtures) manufacturing	1.270	0.621	0.625	0.458	7.0
Other furniture-related product manufacturing	1.133	0.349	0.354	0.193	2.5
Medical equipment and supplies manufacturing	1.363	0.639	0.644	0.490	7.5
Other miscellaneous manufacturing	1.366	0.610	0.615	0.418	5.9
Farm product merchant wholesalers	1.413	0.790	0.798	0.431	4.9
Petroleum and petroleum products merchant wholesalers	1.418	0.772	0.784	0.285	2.5
Food, beverage and tobacco merchant wholesalers	1.364	0.786	0.793	0.471	6.7
Personal and household goods merchant wholesalers	1.320	0.846	0.851	0.681	7.2
Motor vehicle and motor vehicle parts and accessories merchant wholesalers	1.300	0.807	0.811	0.600	6.2
Building material and supplies merchant wholesalers	1.287	0.851	0.856	0.573	6.7
Machinery, equipment and supplies merchant wholesalers	1.261	0.860	0.863	0.594	5.7
Miscellaneous merchant wholesalers	1.379	0.793	0.797	0.486	5.4
Business-to-business electronic markets, and agents and brokers	1.393	0.790	0.796	0.533	7.3
Motor vehicle and parts dealers	1.316	0.847	0.852	0.631	8.8
Furniture and home furnishings stores	1.520	0.773	0.780	0.514	8.5
Electronics and appliance stores	1.388	0.839	0.844	0.555	8.1
Building material and garden equipment and supplies dealers	1.390	0.822	0.828	0.496	8.8
Food and beverage stores	1.338	0.863	0.867	0.615	10.6
Health and personal care stores	1.420	0.828	0.833	0.546	8.1
Gasoline stations	1.336	0.847	0.852	0.369	6.2
Clothing and clothing accessories stores	1.506	0.829	0.835	0.491	9.7
Sporting goods, hobby, book and music stores	1.436	0.849	0.854	0.680	12.7
General merchandise stores	1.368	0.852	0.857	0.581	10.4
Miscellaneous store retailers (except cannabis)	1.470	0.823	0.830	0.560	12.1
Cannabis stores (licensed)	1.531	0.809	0.817	0.626	12.4
Cannabis stores (unlicensed)	1.271	0.970	0.974	0.879	11.1
Non-store retailers	1.412	0.800	0.806	0.672	7.7
Air transportation	1.598	0.666	0.674	0.364	4.9
Rail transportation	1.381	0.829	0.850	0.316	2.7
Water transportation	1.241	0.688	0.698	0.539	16.8
Truck transportation	1.715	0.670	0.704	0.450	5.4
Urban transit systems	1.653	2.278	0.720	1.964	17.8
Other transit and ground passenger transportation and scenic and sightseeing transportation	1.289	0.812	0.832	0.600	11.4
Taxi and limousine service	1.547	0.700	0.728	0.527	14.0
Crude oil and other pipeline transportation	1.335	0.826	0.831	0.271	2.2

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Pipeline transportation of natural gas	1.086	0.942	0.943	0.195	1.6
Support activities for transportation	1.541	0.695	0.704	0.411	5.3
Postal service	1.267	0.878	0.888	0.885	9.8
Couriers and messengers	1.560	0.771	0.787	0.479	7.7
Warehousing and storage	1.216	0.864	0.867	0.520	8.8
Newspaper publishers	1.477	0.756	0.761	0.501	7.3
Periodical, book and directory publishers	1.352	0.793	0.796	0.410	4.4
Software publishers	1.235	0.793	0.790	0.549	4.0
Motion picture and video industries (except exhibition)	1.513	0.676	0.562	0.620	9.1
Motion picture and video exhibition	1.300	0.663	0.660	0.291	5.4
Sound recording industries	1.290	0.577	0.584	0.458	14.0
Radio and television broadcasting	1.281	0.694	0.691	0.453	6.2
Pay and specialty television	1.271	0.410	0.398	0.180	3.2
Telecommunications	1.175	0.744	0.745	0.187	1.8
Data processing, hosting, and related services	1.306	0.787	0.789	0.456	4.4
Other information services	1.515	0.756	0.760	0.538	4.8
Monetary authorities - central bank	1.284	0.764	0.780	0.569	1.7
Banking and other depository credit intermediation	1.215	0.871	0.878	0.454	4.0
Local credit unions	1.421	0.774	0.789	0.653	7.0
Non-depository credit intermediation	1.531	0.723	0.741	0.394	4.5
Activities related to credit intermediation	1.499	0.708	0.734	0.476	6.6
Financial investment services, funds and other financial vehicles	1.814	0.720	0.750	0.534	4.9
Insurance carriers	1.653	0.803	0.818	0.467	5.4
Agencies, brokerages and other insurance related activities	1.316	0.855	0.870	0.692	8.3
Lessors of real estate	1.356	0.875	0.884	0.395	2.4
Offices of real estate agents and brokers and activities related to real estate	1.474	0.789	0.802	0.501	7.1
Owner-occupied dwellings	1.134	0.958	0.961	0.810	0.5
Automotive equipment rental and leasing	1.439	0.803	0.817	0.347	4.1
Rental and leasing services (except automotive equipment)	1.386	0.780	0.795	0.405	4.7
Lessors of non-financial intangible assets (except copyrighted works)	1.436	0.763	0.767	0.378	4.4
Legal services	1.249	0.897	0.900	0.712	5.9
Accounting, tax preparation, bookkeeping and payroll services	1.324	0.848	0.851	0.654	7.4
Architectural, engineering and related services	1.331	0.775	0.779	0.601	6.3
Specialized design services	1.504	0.758	0.764	0.569	11.1
Computer systems design and related services	1.281	0.785	0.783	0.469	5.4
Management, scientific and technical consulting services	1.360	0.827	0.830	0.565	6.5
Scientific research and development services	1.300	0.940	0.844	0.431	4.5
Advertising, public relations, and related services	1.466	0.757	0.762	0.512	6.3
Other professional, scientific and technical services	1.533	0.748	0.753	0.535	6.4
Holding companies	1.348	0.803	0.807	0.711	7.5
Office administrative services	1.339	0.840	0.842	0.583	6.2
Facilities and other support services	1.373	0.829	0.833	0.339	3.9
Employment services	1.358	0.827	0.831	0.619	6.4
Business support services	1.338	0.834	0.839	0.609	7.5
Travel arrangement and reservation services	1.468	0.765	0.770	0.509	5.2
Investigation and security services	1.230	0.844	0.848	0.680	13.3
Services to buildings and dwellings	1.417	0.750	0.763	0.524	8.6
Waste management and remediation services	1.467	0.771	0.780	0.394	4.8
Educational services	1.481	0.817	0.829	0.660	12.1
Offices of physicians	1.156	0.909	0.916	0.468	4.6
Offices of dentists	1.317	0.791	0.805	0.472	5.5
Miscellaneous ambulatory health care services	1.148	0.906	0.911	0.824	12.0
Nursing and residential care facilities	1.234	0.854	0.865	0.724	13.0
Social assistance	1.449	0.786	0.805	0.654	13.6
Performing arts, spectator sports and related industries, and heritage institutions	1.430	0.798	0.778	0.585	9.9

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Amusement and recreation industries	1.436	0.748	0.763	0.538	11.0
Gambling industries	1.388	0.613	0.631	0.454	7.9
Traveller accommodation	1.286	0.769	0.783	0.453	8.1
Recreational vehicle (RV) parks, recreational camps, and rooming and boarding houses	1.346	0.699	0.727	0.374	6.2
Food services and drinking places	1.455	0.664	0.675	0.505	12.0
Automotive repair and maintenance	1.355	0.734	0.743	0.530	6.6
Repair and maintenance (except automotive)	1.337	0.807	0.817	0.504	6.8
Personal care services and other personal services	1.394	0.781	0.788	0.616	12.8
Funeral services	1.293	0.791	0.795	0.400	6.4
Dry cleaning and laundry services	1.397	0.732	0.742	0.462	8.3
Business, professional and other membership organizations	1.427	0.801	0.766	0.724	8.1
Private households	NA	NA	NA	NA	NA
Repair and maintenance	NA	NA	NA	NA	NA
Operating supplies	NA	NA	NA	NA	NA
Office supplies	NA	NA	NA	NA	NA
Advertising, promotion, meals and entertainment	NA	NA	NA	NA	NA
Travel, meetings and conventions	NA	NA	NA	NA	NA
Transportation margins	NA	NA	NA	NA	NA
Educational services	1.232	0.834	0.845	0.740	17.5
Ambulatory health care services	1.428	0.752	0.761	0.647	7.8
Social assistance	1.222	0.891	0.899	0.820	12.7
Arts, entertainment and recreation	1.388	0.752	0.771	0.593	10.2
Religious organizations	1.420	0.787	0.800	0.633	10.0
Grant-making, civic, and professional and similar organizations	1.534	0.746	0.765	0.603	8.7
Other non-profit institutions serving households	1.559	0.721	0.744	0.532	11.9
Elementary and secondary schools	1.175	0.918	0.921	0.802	9.3
Community colleges and C.E.G.E.P.s	1.233	0.904	0.911	0.721	7.7
Universities	1.184	0.898	0.905	0.535	5.7
Other educational services	1.266	0.854	0.862	0.641	3.0
Hospitals	1.256	0.842	0.844	0.747	7.9
Nursing and residential care facilities	1.198	0.890	0.895	0.827	6.7
Defence services	1.325	0.819	0.825	0.651	6.2
Other federal government services (except defence)	1.391	0.827	0.831	0.680	5.7
Other provincial and territorial government services	1.701	0.791	0.796	0.505	5.0
Other municipal government services	1.267	0.875	0.879	0.509	4.5
Other aboriginal government services	1.656	0.801	0.809	0.610	9.9

**Table 2: Alberta Total Multipliers (Industries)
Closed Model – Direct, Indirect and Induced Impacts**

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Crop production (except cannabis, greenhouse, nursery and floriculture production)	1.740	0.818	0.824	0.463	4.2
Greenhouse, nursery and floriculture production (except cannabis)	1.744	0.885	0.895	0.657	19.8
Cannabis production (licensed)	1.603	0.908	0.928	0.469	19.6
Cannabis production (unlicensed)	1.899	1.152	1.188	0.961	19.9
Animal production (except aquaculture)	2.579	0.678	0.680	0.462	8.6
Aquaculture	1.731	0.657	0.667	0.462	11.2
Forestry and logging	1.962	0.843	0.867	0.543	6.5
Fishing, hunting and trapping	1.577	1.136	1.138	0.911	12.4
Support activities for crop and animal production	1.660	1.125	1.093	0.822	10.1
Support activities for forestry	1.785	0.863	0.881	0.588	6.9
Oil and gas extraction (except oil sands)	1.723	0.841	0.851	0.511	4.1
Oil sands extraction	1.389	0.860	0.864	0.229	1.8
Coal mining	1.932	0.849	0.864	0.550	5.0
Iron ore mining	NA	NA	NA	NA	NA
Gold and silver ore mining	1.467	0.811	0.830	0.324	7.7
Copper, nickel, lead and zinc ore mining	NA	NA	NA	NA	NA
Other metal ore mining	NA	NA	NA	NA	NA
Stone mining and quarrying	1.596	1.037	1.043	0.600	5.0
Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying	1.671	0.916	0.933	0.442	4.0
Diamond mining	NA	NA	NA	NA	NA
Other non-metallic mineral mining and quarrying (except diamond and potash)	1.362	0.883	0.889	0.244	3.3
Potash mining	NA	NA	NA	NA	NA
Support activities for oil and gas extraction	1.486	1.011	1.016	0.630	6.2
Support activities for mining	1.645	1.012	1.017	0.754	5.8
Electric power generation, transmission and distribution	1.691	0.955	0.963	0.561	4.4
Natural gas distribution	1.350	0.987	0.989	0.321	3.2
Water, sewage and other systems	1.810	0.775	0.827	0.353	3.9
Residential building construction	1.707	0.829	0.834	0.569	6.9
Non-residential building construction	1.667	0.748	0.753	0.529	5.4
Transportation engineering construction	1.876	0.740	0.748	0.493	6.0
Oil and gas engineering construction	1.732	0.860	0.865	0.651	6.5
Electric power engineering construction	1.523	0.865	0.870	0.450	5.2
Communication engineering construction	1.483	0.561	0.567	0.368	4.4
Other engineering construction	1.742	0.789	0.796	0.554	6.9
Repair construction	1.772	0.837	0.844	0.643	7.6
Other activities of the construction industry	1.549	0.878	0.897	0.531	4.5
Animal food manufacturing	1.788	0.556	0.563	0.312	4.1
Grain and oilseed milling	2.013	0.641	0.646	0.313	3.0
Sugar and confectionery product manufacturing	1.456	0.511	0.517	0.374	4.8
Fruit and vegetable preserving and specialty food manufacturing	1.737	0.698	0.704	0.407	4.7
Dairy product manufacturing	2.395	0.705	0.710	0.411	5.6
Meat product manufacturing	2.409	0.618	0.621	0.381	6.0
Seafood product preparation and packaging	1.398	0.700	0.703	0.345	2.4
Bakeries and tortilla manufacturing	1.545	0.697	0.703	0.436	6.5
Other food manufacturing	1.527	0.769	0.774	0.384	5.8
Soft drink and ice manufacturing	1.644	0.614	0.621	0.418	5.7
Breweries	1.396	0.762	0.761	0.269	3.4
Wineries and distilleries	1.456	0.812	0.824	0.317	4.1
Tobacco manufacturing	1.729	0.822	0.830	0.573	2.2
Textile and textile product mills	1.534	0.671	0.677	0.558	8.6
Clothing and leather and allied product manufacturing	1.659	0.770	0.779	0.656	10.5
Sawmills and wood preservation	2.132	0.867	0.882	0.541	5.6

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Veneer, plywood and engineered wood product manufacturing	1.812	0.780	0.788	0.441	4.5
Other wood product manufacturing	1.896	0.798	0.807	0.595	8.1
Pulp, paper and paperboard mills	1.862	0.718	0.726	0.400	3.5
Converted paper product manufacturing	1.443	0.554	0.559	0.371	4.1
Printing and related support activities	1.565	0.800	0.804	0.547	7.2
Petroleum refineries	1.969	0.776	0.782	0.237	1.9
Petroleum and coal product manufacturing (except petroleum refineries)	1.898	0.708	0.719	0.429	4.4
Basic chemical manufacturing	1.921	0.795	0.809	0.299	2.5
Resin, synthetic rubber, and artificial and synthetic fibres and filaments manufacturing	1.843	0.807	0.814	0.249	1.8
Pesticide, fertilizer and other agricultural chemical manufacturing	1.741	0.749	0.765	0.379	3.7
Pharmaceutical and medicine manufacturing	1.502	0.714	0.718	0.525	5.2
Paint, coating and adhesive manufacturing	1.498	0.768	0.730	0.393	5.1
Soap, cleaning compound and toilet preparation manufacturing	1.574	0.667	0.673	0.456	5.1
Other chemical product manufacturing	1.577	0.512	0.514	0.367	3.2
Plastic product manufacturing	1.751	0.710	0.718	0.505	6.1
Rubber product manufacturing	1.331	0.591	0.537	0.301	2.9
Non-metallic mineral product manufacturing (except cement and concrete products)	1.675	0.795	0.804	0.477	6.0
Cement and concrete product manufacturing	1.777	0.809	0.820	0.420	4.5
Iron and steel mills and ferro-alloy manufacturing	1.682	0.754	0.762	0.451	4.1
Steel product manufacturing from purchased steel	1.666	0.551	0.559	0.421	3.8
Alumina and aluminum production and processing	1.239	0.432	0.435	0.206	2.7
Non-ferrous metal (except aluminum) production and processing	1.286	0.204	0.207	0.133	1.1
Foundries	1.622	0.829	0.835	0.653	7.6
Forging and stamping	1.396	0.531	0.535	0.258	2.3
Cutlery, hand tools and other fabricated metal product manufacturing	1.519	0.723	0.727	0.488	5.0
Architectural and structural metals manufacturing	1.661	0.710	0.715	0.514	5.8
Boiler, tank and shipping container manufacturing	1.517	0.674	0.678	0.459	4.6
Hardware manufacturing	1.521	0.874	0.879	0.787	10.1
Spring and wire product manufacturing	1.594	0.688	0.694	0.684	6.1
Machine shops, turned product, and screw, nut and bolt manufacturing	1.637	0.822	0.828	0.628	7.4
Coating, engraving, cold and heat treating and allied activities	1.569	0.810	0.816	0.604	6.5
Agricultural, construction and mining machinery manufacturing	1.376	0.602	0.605	0.396	4.3
Industrial machinery manufacturing	1.113	0.444	0.446	0.314	3.7
Commercial and service industry machinery manufacturing	1.433	0.649	0.653	0.539	7.4
Ventilation, heating, air-conditioning and commercial refrigeration equipment manufacturing	1.403	0.759	0.759	0.452	5.2
Metalworking machinery manufacturing	1.555	0.780	0.786	0.541	5.7
Engine, turbine and power transmission equipment manufacturing	1.342	0.592	0.595	0.254	2.3
Other general-purpose machinery manufacturing	1.406	0.654	0.657	0.407	3.8
Computer and peripheral equipment manufacturing	1.546	0.747	0.750	0.625	4.9
Communications equipment manufacturing	1.436	0.689	0.693	0.492	5.9
Other electronic product manufacturing	1.292	0.629	0.631	0.304	2.9
Semiconductor and other electronic component manufacturing	1.544	0.671	0.659	0.573	8.9
Electric lighting equipment manufacturing	1.366	0.597	0.610	0.329	3.1
Household appliance manufacturing	1.454	0.794	0.797	0.600	10.0
Electrical equipment manufacturing	1.335	0.499	0.501	0.415	3.5
Other electrical equipment and component manufacturing	1.464	0.735	0.741	0.380	5.0
Automobile and light-duty motor vehicle manufacturing	1.633	0.877	0.883	0.817	11.2

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Heavy-duty truck manufacturing	1.437	0.701	0.704	0.351	8.3
Motor vehicle body and trailer manufacturing	1.374	0.521	0.525	0.389	4.3
Motor vehicle gasoline engine and engine parts manufacturing	1.591	0.599	0.600	0.467	6.3
Motor vehicle electrical and electronic equipment manufacturing	1.427	0.816	0.822	0.355	4.7
Motor vehicle steering and suspension components (except spring) manufacturing	1.348	0.479	0.482	0.333	3.7
Motor vehicle brake system manufacturing	1.460	0.539	0.545	0.333	5.4
Motor vehicle transmission and power train parts manufacturing	1.279	0.426	0.429	0.298	3.8
Motor vehicle seating and interior trim manufacturing	1.425	0.855	0.862	0.602	9.7
Motor vehicle metal stamping	1.406	0.799	0.802	0.593	8.4
Other motor vehicle parts manufacturing	1.589	0.836	0.840	0.714	6.9
Aerospace product and parts manufacturing	1.425	0.659	0.661	0.492	4.2
Railroad rolling stock manufacturing	NA	NA	NA	NA	NA
Ship and boat building	1.488	0.778	0.783	0.534	7.9
Other transportation equipment manufacturing	1.365	0.564	0.567	0.394	3.8
Household and institutional furniture and kitchen cabinet manufacturing	1.493	0.690	0.696	0.514	8.6
Office furniture (including fixtures) manufacturing	1.538	0.784	0.789	0.574	8.1
Other furniture-related product manufacturing	1.235	0.411	0.416	0.237	2.9
Medical equipment and supplies manufacturing	1.649	0.813	0.818	0.613	8.7
Other miscellaneous manufacturing	1.604	0.754	0.760	0.520	6.9
Farm product merchant wholesalers	1.662	0.941	0.950	0.538	5.9
Petroleum and petroleum products merchant wholesalers	1.578	0.869	0.881	0.354	3.2
Food, beverage and tobacco merchant wholesalers	1.623	0.944	0.951	0.582	7.7
Personal and household goods merchant wholesalers	1.697	1.075	1.082	0.843	8.7
Motor vehicle and motor vehicle parts and accessories merchant wholesalers	1.629	1.007	1.012	0.742	7.6
Building material and supplies merchant wholesalers	1.607	1.046	1.051	0.710	8.0
Machinery, equipment and supplies merchant wholesalers	1.597	1.064	1.069	0.739	7.1
Miscellaneous merchant wholesalers	1.645	0.955	0.960	0.600	6.5
Business-to-business electronic markets, and agents and brokers	1.698	0.975	0.982	0.664	8.5
Motor vehicle and parts dealers	1.685	1.071	1.077	0.789	10.3
Furniture and home furnishings stores	1.819	0.954	0.962	0.642	9.7
Electronics and appliance stores	1.711	1.035	1.041	0.694	9.4
Building material and garden equipment and supplies dealers	1.670	0.992	0.999	0.617	9.9
Food and beverage stores	1.674	1.067	1.072	0.760	12.0
Health and personal care stores	1.730	1.017	1.023	0.679	9.4
Gasoline stations	1.547	0.976	0.981	0.461	7.1
Clothing and clothing accessories stores	1.791	1.003	1.009	0.614	10.8
Sporting goods, hobby, book and music stores	1.829	1.088	1.094	0.850	14.3
General merchandise stores	1.698	1.053	1.059	0.723	11.7
Miscellaneous store retailers (except cannabis)	1.796	1.022	1.029	0.701	13.5
Cannabis stores (licensed)	1.898	1.032	1.041	0.784	13.9
Cannabis stores (unlicensed)	1.819	1.304	1.309	1.115	13.3
Non-store retailers	1.799	1.036	1.042	0.839	9.2
Air transportation	1.803	0.790	0.799	0.452	5.7
Rail transportation	1.555	0.934	0.956	0.391	3.4
Water transportation	1.555	0.879	0.890	0.674	18.1
Truck transportation	1.975	0.828	0.862	0.562	6.4
Urban transit systems	2.658	2.889	1.334	2.397	21.9
Other transit and ground passenger transportation and scenic and sightseeing transportation	1.624	1.015	1.037	0.745	12.7
Taxi and limousine service	1.866	0.893	0.922	0.665	15.3
Crude oil and other pipeline transportation	1.485	0.917	0.923	0.336	2.8

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Pipeline transportation of natural gas	1.189	1.005	1.006	0.239	2.0
Support activities for transportation	1.768	0.833	0.843	0.509	6.2
Postal service	1.705	1.144	1.156	1.074	11.6
Couriers and messengers	1.827	0.933	0.950	0.594	8.8
Warehousing and storage	1.511	1.044	1.047	0.647	10.0
Newspaper publishers	1.738	0.915	0.921	0.614	8.4
Periodical, book and directory publishers	1.551	0.914	0.918	0.496	5.2
Software publishers	1.544	0.981	0.979	0.682	5.3
Motion picture and video industries (except exhibition)	1.872	0.894	0.781	0.774	10.5
Motion picture and video exhibition	1.468	0.766	0.763	0.363	6.1
Sound recording industries	1.559	0.741	0.749	0.574	15.1
Radio and television broadcasting	1.531	0.846	0.843	0.560	7.3
Pay and specialty television	1.371	0.471	0.459	0.223	3.6
Telecommunications	1.266	0.800	0.801	0.227	2.2
Data processing, hosting, and related services	1.571	0.948	0.951	0.570	5.5
Other information services	1.829	0.948	0.953	0.674	6.0
Monetary authorities - central bank	1.535	0.916	0.934	0.678	2.7
Banking and other depository credit intermediation	1.452	1.015	1.023	0.556	5.0
Local credit unions	1.770	0.987	1.002	0.804	8.4
Non-depository credit intermediation	1.756	0.859	0.878	0.491	5.4
Activities related to credit intermediation	1.778	0.878	0.904	0.596	7.7
Financial investment services, funds and other financial vehicles	2.120	0.907	0.938	0.666	6.1
Insurance carriers	1.918	0.964	0.980	0.581	6.4
Agencies, brokerages and other insurance related activities	1.732	1.107	1.124	0.871	10.0
Lessors of real estate	1.593	1.019	1.028	0.497	3.4
Offices of real estate agents and brokers and activities related to real estate	1.772	0.971	0.984	0.629	8.3
Owner-occupied dwellings	1.639	1.265	1.269	1.027	2.6
Automotive equipment rental and leasing	1.633	0.920	0.935	0.431	4.9
Rental and leasing services (except automotive equipment)	1.613	0.918	0.933	0.503	5.6
Lessors of non-financial intangible assets (except copyrighted works)	1.658	0.898	0.903	0.473	5.3
Legal services	1.687	1.164	1.168	0.900	7.6
Accounting, tax preparation, bookkeeping and payroll services	1.708	1.081	1.085	0.819	9.0
Architectural, engineering and related services	1.676	0.985	0.990	0.750	7.7
Specialized design services	1.842	0.964	0.970	0.715	12.5
Computer systems design and related services	1.560	0.954	0.953	0.589	6.5
Management, scientific and technical consulting services	1.690	1.028	1.032	0.707	7.9
Scientific research and development services	1.561	1.099	1.004	0.544	5.6
Advertising, public relations, and related services	1.770	0.942	0.948	0.643	7.5
Other professional, scientific and technical services	1.854	0.943	0.949	0.673	7.7
Holding companies	1.762	1.055	1.059	0.889	9.2
Office administrative services	1.684	1.050	1.053	0.732	7.6
Facilities and other support services	1.569	0.948	0.953	0.423	4.6
Employment services	1.708	1.040	1.044	0.770	7.9
Business support services	1.701	1.055	1.060	0.765	9.0
Travel arrangement and reservation services	1.757	0.941	0.947	0.634	6.4
Investigation and security services	1.625	1.084	1.089	0.850	14.9
Services to buildings and dwellings	1.728	0.939	0.953	0.658	9.8
Waste management and remediation services	1.698	0.911	0.921	0.494	5.7
Educational services	1.869	1.053	1.066	0.827	13.7
Offices of physicians	1.437	1.080	1.088	0.589	5.8
Offices of dentists	1.599	0.962	0.977	0.593	6.7
Miscellaneous ambulatory health care services	1.646	1.209	1.215	1.038	14.0
Nursing and residential care facilities	1.658	1.112	1.124	0.907	14.7
Social assistance	1.833	1.019	1.040	0.819	15.2
Performing arts, spectator sports and related industries, and heritage institutions	1.759	0.998	0.980	0.727	11.3

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Amusement and recreation industries	1.747	0.937	0.953	0.672	12.3
Gambling industries	1.652	0.773	0.793	0.568	8.9
Traveller accommodation	1.548	0.929	0.943	0.566	9.2
Recreational vehicle (RV) parks, recreational camps, and rooming and boarding houses	1.562	0.831	0.859	0.467	7.0
Food services and drinking places	1.749	0.843	0.854	0.632	13.2
Automotive repair and maintenance	1.657	0.918	0.928	0.660	7.8
Repair and maintenance (except automotive)	1.626	0.983	0.994	0.628	8.0
Personal care services and other personal services	1.765	1.007	1.015	0.776	14.3
Funeral services	1.528	0.934	0.938	0.501	7.3
Dry cleaning and laundry services	1.667	0.896	0.907	0.579	9.4
Business, professional and other membership organizations	1.826	1.044	1.010	0.896	9.7
Private households	1.615	1.374	1.376	1.265	31.7
Repair and maintenance	NA	NA	NA	NA	NA
Operating supplies	NA	NA	NA	NA	NA
Office supplies	NA	NA	NA	NA	NA
Advertising, promotion, meals and entertainment	NA	NA	NA	NA	NA
Travel, meetings and conventions	NA	NA	NA	NA	NA
Transportation margins	NA	NA	NA	NA	NA
Educational services	1.652	1.089	1.101	0.921	19.2
Ambulatory health care services	1.801	0.979	0.990	0.808	9.3
Social assistance	1.686	1.174	1.182	1.020	14.6
Arts, entertainment and recreation	1.728	0.958	0.978	0.739	11.5
Religious organizations	1.772	1.000	1.015	0.784	11.4
Grant-making, civic, and professional and similar organizations	1.879	0.956	0.976	0.752	10.1
Other non-profit institutions serving households	1.865	0.908	0.931	0.664	13.1
Elementary and secondary schools	1.590	1.171	1.175	0.981	10.9
Community colleges and C.E.G.E.P.s	1.619	1.140	1.148	0.888	9.3
Universities	1.471	1.073	1.080	0.658	6.9
Other educational services	1.621	1.070	1.079	0.794	4.5
Hospitals	1.642	1.077	1.081	0.913	9.5
Nursing and residential care facilities	1.655	1.168	1.174	1.024	8.5
Defence services	1.650	1.017	1.023	0.791	7.5
Other federal government services (except defence)	1.743	1.041	1.046	0.831	7.1
Other provincial and territorial government services	1.987	0.965	0.970	0.628	6.2
Other municipal government services	1.533	1.036	1.041	0.623	5.5
Other aboriginal government services	2.004	1.013	1.021	0.760	11.3

**Table 3: Alberta Total Multipliers With Safety Net (Industries)
Closed Model – Direct, Indirect and Induced Impacts**

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Crop production (except cannabis, greenhouse, nursery and floriculture production)	1.682	0.783	0.788	0.438	3.9
Greenhouse, nursery and floriculture production (except cannabis)	1.582	0.786	0.796	0.587	19.1
Cannabis production (licensed)	1.490	0.840	0.859	0.420	19.2
Cannabis production (unlicensed)	1.661	1.008	1.043	0.859	19.0
Animal production (except aquaculture)	2.495	0.627	0.628	0.426	8.2
Aquaculture	1.617	0.588	0.598	0.413	10.8
Forestry and logging	1.866	0.784	0.808	0.502	6.1
Fishing, hunting and trapping	1.333	0.987	0.989	0.806	11.4
Support activities for crop and animal production	1.484	1.019	0.986	0.746	9.3
Support activities for forestry	1.669	0.792	0.810	0.538	6.4
Oil and gas extraction (except oil sands)	1.664	0.805	0.815	0.486	3.9
Oil sands extraction	1.363	0.843	0.848	0.217	1.7
Coal mining	1.859	0.805	0.819	0.519	4.7
Iron ore mining	NA	NA	NA	NA	NA
Gold and silver ore mining	1.389	0.763	0.783	0.291	7.4
Copper, nickel, lead and zinc ore mining	NA	NA	NA	NA	NA
Other metal ore mining	NA	NA	NA	NA	NA
Stone mining and quarrying	1.528	0.996	1.002	0.571	4.7
Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying	1.614	0.882	0.898	0.417	3.8
Diamond mining	NA	NA	NA	NA	NA
Other non-metallic mineral mining and quarrying (except diamond and potash)	1.312	0.853	0.859	0.222	3.1
Potash mining	NA	NA	NA	NA	NA
Support activities for oil and gas extraction	1.404	0.961	0.965	0.594	5.9
Support activities for mining	1.570	0.967	0.971	0.722	5.5
Electric power generation, transmission and distribution	1.625	0.915	0.924	0.533	4.1
Natural gas distribution	1.300	0.957	0.959	0.300	3.0
Water, sewage and other systems	1.745	0.736	0.788	0.325	3.6
Residential building construction	1.597	0.762	0.767	0.521	6.4
Non-residential building construction	1.584	0.698	0.702	0.493	5.1
Transportation engineering construction	1.781	0.682	0.689	0.451	5.7
Oil and gas engineering construction	1.636	0.802	0.806	0.609	6.1
Electric power engineering construction	1.443	0.816	0.822	0.416	4.8
Communication engineering construction	1.415	0.520	0.526	0.339	4.1
Other engineering construction	1.634	0.723	0.730	0.508	6.5
Repair construction	1.648	0.762	0.768	0.590	7.1
Other activities of the construction industry	1.480	0.836	0.855	0.501	4.2
Animal food manufacturing	1.722	0.516	0.522	0.284	3.9
Grain and oilseed milling	1.968	0.613	0.619	0.293	2.8
Sugar and confectionery product manufacturing	1.373	0.461	0.466	0.338	4.4
Fruit and vegetable preserving and specialty food manufacturing	1.662	0.652	0.659	0.375	4.4
Dairy product manufacturing	2.327	0.664	0.669	0.382	5.3
Meat product manufacturing	2.336	0.574	0.577	0.350	5.7
Seafood product preparation and packaging	1.363	0.679	0.681	0.330	2.2
Bakeries and tortilla manufacturing	1.433	0.629	0.635	0.388	6.0
Other food manufacturing	1.428	0.709	0.714	0.342	5.4
Soft drink and ice manufacturing	1.544	0.554	0.561	0.375	5.3
Breweries	1.338	0.727	0.726	0.244	3.1
Wineries and distilleries	1.386	0.770	0.782	0.287	3.8
Tobacco manufacturing	1.707	0.809	0.817	0.564	2.1
Textile and textile product mills	1.390	0.584	0.589	0.496	8.0
Clothing and leather and allied product manufacturing	1.491	0.668	0.677	0.583	9.9
Sawmills and wood preservation	2.049	0.817	0.831	0.505	5.2

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Veneer, plywood and engineered wood product manufacturing	1.744	0.738	0.746	0.411	4.2
Other wood product manufacturing	1.762	0.716	0.724	0.537	7.6
Pulp, paper and paperboard mills	1.809	0.686	0.694	0.377	3.3
Converted paper product manufacturing	1.377	0.513	0.518	0.343	3.8
Printing and related support activities	1.442	0.725	0.729	0.494	6.7
Petroleum refineries	1.941	0.759	0.766	0.225	1.8
Petroleum and coal product manufacturing (except petroleum refineries)	1.832	0.668	0.678	0.401	4.1
Basic chemical manufacturing	1.885	0.773	0.786	0.283	2.3
Resin, synthetic rubber, and artificial and synthetic fibres and filaments manufacturing	1.816	0.791	0.798	0.237	1.7
Pesticide, fertilizer and other agricultural chemical manufacturing	1.685	0.715	0.731	0.355	3.4
Pharmaceutical and medicine manufacturing	1.420	0.665	0.668	0.490	4.9
Paint, coating and adhesive manufacturing	1.415	0.717	0.679	0.357	4.8
Soap, cleaning compound and toilet preparation manufacturing	1.485	0.612	0.619	0.417	4.7
Other chemical product manufacturing	1.530	0.483	0.485	0.346	3.0
Plastic product manufacturing	1.651	0.650	0.657	0.462	5.7
Rubber product manufacturing	1.285	0.563	0.509	0.281	2.7
Non-metallic mineral product manufacturing (except cement and concrete products)	1.578	0.736	0.744	0.435	5.6
Cement and concrete product manufacturing	1.708	0.766	0.778	0.391	4.2
Iron and steel mills and ferro-alloy manufacturing	1.617	0.715	0.723	0.423	3.9
Steel product manufacturing from purchased steel	1.609	0.517	0.524	0.397	3.6
Alumina and aluminum production and processing	1.195	0.405	0.409	0.188	2.5
Non-ferrous metal (except aluminum) production and processing	1.269	0.193	0.196	0.126	1.1
Foundries	1.502	0.756	0.761	0.601	7.1
Forging and stamping	1.362	0.511	0.514	0.244	2.1
Cutlery, hand tools and other fabricated metal product manufacturing	1.442	0.677	0.680	0.455	4.7
Architectural and structural metals manufacturing	1.568	0.654	0.658	0.475	5.4
Boiler, tank and shipping container manufacturing	1.446	0.630	0.634	0.428	4.3
Hardware manufacturing	1.346	0.767	0.772	0.712	9.4
Spring and wire product manufacturing	1.497	0.629	0.635	0.642	5.7
Machine shops, turned product, and screw, nut and bolt manufacturing	1.525	0.754	0.759	0.580	6.9
Coating, engraving, cold and heat treating and allied activities	1.463	0.746	0.752	0.558	6.1
Agricultural, construction and mining machinery manufacturing	1.311	0.562	0.566	0.368	4.0
Industrial machinery manufacturing	1.053	0.407	0.410	0.288	3.4
Commercial and service industry machinery manufacturing	1.311	0.575	0.579	0.486	6.9
Ventilation, heating, air-conditioning and commercial refrigeration equipment manufacturing	1.320	0.708	0.709	0.416	4.8
Metalworking machinery manufacturing	1.467	0.726	0.732	0.502	5.3
Engine, turbine and power transmission equipment manufacturing	1.307	0.571	0.573	0.239	2.1
Other general-purpose machinery manufacturing	1.348	0.619	0.622	0.382	3.5
Computer and peripheral equipment manufacturing	1.473	0.703	0.706	0.594	4.6
Communications equipment manufacturing	1.341	0.631	0.635	0.451	5.5
Other electronic product manufacturing	1.247	0.601	0.603	0.285	2.8
Semiconductor and other electronic component manufacturing	1.396	0.581	0.568	0.509	8.3
Electric lighting equipment manufacturing	1.316	0.567	0.579	0.308	2.9
Household appliance manufacturing	1.295	0.697	0.700	0.531	9.4
Electrical equipment manufacturing	1.282	0.467	0.469	0.392	3.3
Other electrical equipment and component manufacturing	1.383	0.686	0.691	0.345	4.6
Automobile and light-duty motor vehicle manufacturing	1.433	0.756	0.761	0.730	10.4

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Heavy-duty truck manufacturing	1.353	0.650	0.652	0.315	7.9
Motor vehicle body and trailer manufacturing	1.306	0.480	0.484	0.359	4.0
Motor vehicle gasoline engine and engine parts manufacturing	1.489	0.537	0.537	0.423	5.9
Motor vehicle electrical and electronic equipment manufacturing	1.351	0.769	0.775	0.322	4.4
Motor vehicle steering and suspension components (except spring) manufacturing	1.289	0.443	0.446	0.308	3.5
Motor vehicle brake system manufacturing	1.380	0.491	0.496	0.299	5.0
Motor vehicle transmission and power train parts manufacturing	1.218	0.389	0.392	0.272	3.5
Motor vehicle seating and interior trim manufacturing	1.264	0.756	0.764	0.532	9.0
Motor vehicle metal stamping	1.264	0.713	0.715	0.532	7.9
Other motor vehicle parts manufacturing	1.483	0.771	0.775	0.668	6.5
Aerospace product and parts manufacturing	1.360	0.619	0.621	0.463	3.9
Railroad rolling stock manufacturing	NA	NA	NA	NA	NA
Ship and boat building	1.350	0.694	0.699	0.475	7.3
Other transportation equipment manufacturing	1.308	0.529	0.531	0.369	3.6
Household and institutional furniture and kitchen cabinet manufacturing	1.363	0.611	0.617	0.458	8.1
Office furniture (including fixtures) manufacturing	1.404	0.702	0.707	0.516	7.6
Other furniture-related product manufacturing	1.185	0.381	0.386	0.215	2.7
Medical equipment and supplies manufacturing	1.497	0.721	0.726	0.548	8.1
Other miscellaneous manufacturing	1.489	0.684	0.690	0.471	6.4
Farm product merchant wholesalers	1.560	0.880	0.888	0.494	5.5
Petroleum and petroleum products merchant wholesalers	1.528	0.839	0.851	0.332	3.0
Food, beverage and tobacco merchant wholesalers	1.488	0.862	0.868	0.524	7.2
Personal and household goods merchant wholesalers	1.549	0.985	0.991	0.779	8.1
Motor vehicle and motor vehicle parts and accessories merchant wholesalers	1.508	0.934	0.938	0.690	7.1
Building material and supplies merchant wholesalers	1.477	0.967	0.972	0.654	7.4
Machinery, equipment and supplies merchant wholesalers	1.489	0.998	1.003	0.693	6.6
Miscellaneous merchant wholesalers	1.538	0.890	0.895	0.554	6.0
Business-to-business electronic markets, and agents and brokers	1.551	0.886	0.893	0.601	7.9
Motor vehicle and parts dealers	1.509	0.965	0.970	0.714	9.6
Furniture and home furnishings stores	1.662	0.859	0.867	0.575	9.1
Electronics and appliance stores	1.536	0.929	0.934	0.619	8.7
Building material and garden equipment and supplies dealers	1.515	0.898	0.904	0.550	9.3
Food and beverage stores	1.477	0.947	0.952	0.675	11.2
Health and personal care stores	1.560	0.913	0.919	0.606	8.7
Gasoline stations	1.434	0.907	0.912	0.412	6.6
Clothing and clothing accessories stores	1.645	0.914	0.920	0.551	10.2
Sporting goods, hobby, book and music stores	1.613	0.957	0.962	0.757	13.4
General merchandise stores	1.514	0.941	0.947	0.644	11.0
Miscellaneous store retailers (except cannabis)	1.624	0.917	0.924	0.626	12.8
Cannabis stores (licensed)	1.706	0.915	0.923	0.701	13.1
Cannabis stores (unlicensed)	1.532	1.130	1.133	0.992	12.1
Non-store retailers	1.619	0.926	0.932	0.761	8.5
Air transportation	1.699	0.727	0.735	0.407	5.3
Rail transportation	1.505	0.904	0.925	0.370	3.2
Water transportation	1.379	0.772	0.783	0.598	17.4
Truck transportation	1.878	0.770	0.803	0.521	6.0
Urban transit systems	2.279	2.658	1.102	2.233	20.4
Other transit and ground passenger transportation and scenic and sightseeing transportation	1.426	0.895	0.916	0.659	11.9
Taxi and limousine service	1.700	0.793	0.821	0.593	14.6
Crude oil and other pipeline transportation	1.444	0.891	0.897	0.318	2.6

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Pipeline transportation of natural gas	1.158	0.986	0.987	0.226	1.9
Support activities for transportation	1.667	0.772	0.781	0.465	5.8
Postal service	1.483	1.009	1.021	0.979	10.7
Couriers and messengers	1.679	0.843	0.859	0.531	8.2
Warehousing and storage	1.339	0.939	0.942	0.574	9.3
Newspaper publishers	1.581	0.820	0.824	0.546	7.7
Periodical, book and directory publishers	1.445	0.849	0.853	0.450	4.8
Software publishers	1.462	0.931	0.929	0.647	4.9
Motion picture and video industries (except exhibition)	1.673	0.773	0.660	0.689	9.7
Motion picture and video exhibition	1.379	0.711	0.708	0.325	5.7
Sound recording industries	1.407	0.649	0.656	0.509	14.4
Radio and television broadcasting	1.400	0.766	0.763	0.504	6.7
Pay and specialty television	1.313	0.436	0.424	0.198	3.4
Telecommunications	1.230	0.778	0.779	0.211	2.1
Data processing, hosting, and related services	1.480	0.892	0.895	0.531	5.1
Other information services	1.706	0.873	0.877	0.621	5.5
Monetary authorities - central bank	1.501	0.896	0.913	0.663	2.6
Banking and other depository credit intermediation	1.367	0.963	0.971	0.519	4.6
Local credit unions	1.623	0.897	0.912	0.740	7.8
Non-depository credit intermediation	1.665	0.804	0.823	0.452	5.0
Activities related to credit intermediation	1.643	0.796	0.822	0.538	7.2
Financial investment services, funds and other financial vehicles	2.015	0.843	0.873	0.621	5.7
Insurance carriers	1.806	0.896	0.912	0.533	6.0
Agencies, brokerages and other insurance related activities	1.560	1.003	1.020	0.798	9.3
Lessors of real estate	1.542	0.988	0.997	0.475	3.2
Offices of real estate agents and brokers and activities related to real estate	1.627	0.883	0.895	0.567	7.7
Owner-occupied dwellings	1.628	1.259	1.263	1.023	2.5
Automotive equipment rental and leasing	1.547	0.868	0.883	0.394	4.6
Rental and leasing services (except automotive equipment)	1.527	0.866	0.881	0.466	5.2
Lessors of non-financial intangible assets (except copyrighted works)	1.570	0.844	0.849	0.435	4.9
Legal services	1.568	1.091	1.095	0.849	7.2
Accounting, tax preparation, bookkeeping and payroll services	1.547	0.983	0.987	0.750	8.3
Architectural, engineering and related services	1.550	0.908	0.913	0.695	7.2
Specialized design services	1.663	0.855	0.861	0.638	11.7
Computer systems design and related services	1.447	0.885	0.884	0.541	6.0
Management, scientific and technical consulting services	1.556	0.946	0.950	0.649	7.3
Scientific research and development services	1.468	1.042	0.947	0.503	5.2
Advertising, public relations, and related services	1.618	0.850	0.855	0.577	6.9
Other professional, scientific and technical services	1.709	0.855	0.860	0.611	7.1
Holding companies	1.609	0.962	0.966	0.823	8.5
Office administrative services	1.551	0.969	0.972	0.674	7.0
Facilities and other support services	1.488	0.898	0.903	0.388	4.3
Employment services	1.562	0.951	0.955	0.707	7.3
Business support services	1.519	0.944	0.949	0.687	8.2
Travel arrangement and reservation services	1.647	0.874	0.880	0.587	6.0
Investigation and security services	1.398	0.946	0.950	0.752	13.9
Services to buildings and dwellings	1.561	0.838	0.851	0.586	9.2
Waste management and remediation services	1.608	0.857	0.866	0.455	5.3
Educational services	1.660	0.926	0.939	0.737	12.8
Offices of physicians	1.339	1.020	1.028	0.546	5.4
Offices of dentists	1.470	0.883	0.898	0.537	6.1
Miscellaneous ambulatory health care services	1.367	1.039	1.044	0.918	12.9
Nursing and residential care facilities	1.414	0.964	0.976	0.802	13.7
Social assistance	1.623	0.892	0.912	0.729	14.3
Performing arts, spectator sports and related industries, and heritage institutions	1.569	0.883	0.864	0.645	10.5

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Amusement and recreation industries	1.578	0.834	0.850	0.599	11.6
Gambling industries	1.503	0.683	0.702	0.504	8.3
Traveller accommodation	1.401	0.839	0.853	0.503	8.6
Recreational vehicle (RV) parks, recreational camps, and rooming and boarding houses	1.446	0.760	0.788	0.417	6.6
Food services and drinking places	1.588	0.745	0.756	0.562	12.5
Automotive repair and maintenance	1.522	0.836	0.845	0.602	7.3
Repair and maintenance (except automotive)	1.496	0.904	0.914	0.572	7.4
Personal care services and other personal services	1.566	0.886	0.894	0.691	13.5
Funeral services	1.400	0.856	0.860	0.446	6.8
Dry cleaning and laundry services	1.522	0.808	0.818	0.516	8.8
Business, professional and other membership organizations	1.646	0.934	0.900	0.819	8.9
Private households	1.270	1.164	1.165	1.117	30.3
Repair and maintenance	NA	NA	NA	NA	NA
Operating supplies	NA	NA	NA	NA	NA
Office supplies	NA	NA	NA	NA	NA
Advertising, promotion, meals and entertainment	NA	NA	NA	NA	NA
Travel, meetings and conventions	NA	NA	NA	NA	NA
Transportation margins	NA	NA	NA	NA	NA
Educational services	1.406	0.939	0.951	0.815	18.2
Ambulatory health care services	1.620	0.869	0.879	0.730	8.5
Social assistance	1.426	1.016	1.024	0.908	13.5
Arts, entertainment and recreation	1.540	0.844	0.864	0.659	10.8
Religious organizations	1.570	0.878	0.892	0.697	10.6
Grant-making, civic, and professional and similar organizations	1.690	0.841	0.860	0.670	9.3
Other non-profit institutions serving households	1.702	0.808	0.832	0.593	12.5
Elementary and secondary schools	1.376	1.040	1.044	0.889	10.1
Community colleges and C.E.G.E.P.s	1.443	1.033	1.040	0.812	8.6
Universities	1.339	0.993	1.000	0.601	6.4
Other educational services	1.532	1.016	1.024	0.755	4.1
Hospitals	1.456	0.964	0.967	0.833	8.7
Nursing and residential care facilities	1.503	1.076	1.081	0.959	7.9
Defence services	1.514	0.934	0.940	0.732	6.9
Other federal government services (except defence)	1.617	0.965	0.969	0.777	6.6
Other provincial and territorial government services	1.879	0.899	0.905	0.582	5.7
Other municipal government services	1.436	0.977	0.982	0.581	5.2
Other aboriginal government services	1.812	0.896	0.904	0.677	10.5

**Table 4: Alberta Type I Multipliers (Industries)
Open Model – Direct and Indirect Impacts**

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Crop production (except cannabis, greenhouse, nursery and floriculture production)	1.518	1.546	1.549	1.567	1.9
Greenhouse, nursery and floriculture production (except cannabis)	1.431	1.459	1.458	1.325	1.1
Cannabis production (licensed)	1.382	1.348	1.342	1.464	1.1
Cannabis production (unlicensed)	1.434	1.365	1.351	1.195	1.1
Animal production (except aquaculture)	2.360	12.979	13.547	5.117	2.0
Aquaculture	1.513	1.656	1.649	1.442	1.2
Forestry and logging	1.736	1.914	1.893	1.728	1.6
Fishing, hunting and trapping	1.152	1.104	1.105	1.086	1.1
Support activities for crop and animal production	1.269	1.171	1.182	1.120	1.1
Support activities for forestry	1.515	1.522	1.514	1.346	1.3
Oil and gas extraction (except oil sands)	1.499	1.679	1.673	1.718	2.3
Oil sands extraction	1.285	1.257	1.258	2.209	4.0
Coal mining	1.681	1.821	1.806	1.924	2.6
Iron ore mining	NA	NA	NA	NA	NA
Gold and silver ore mining	1.316	1.266	1.261	1.416	1.1
Copper, nickel, lead and zinc ore mining	NA	NA	NA	NA	NA
Other metal ore mining	NA	NA	NA	NA	NA
Stone mining and quarrying	1.315	1.254	1.255	1.303	1.3
Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying	1.474	1.457	1.451	1.646	1.6
Diamond mining	NA	NA	NA	NA	NA
Other non-metallic mineral mining and quarrying (except diamond and potash)	1.253	1.194	1.195	1.616	1.4
Potash mining	NA	NA	NA	NA	NA
Support activities for oil and gas extraction	1.196	1.135	1.136	1.127	1.1
Support activities for mining	1.290	1.254	1.255	1.230	1.4
Electric power generation, transmission and distribution	1.451	1.377	1.379	1.432	1.7
Natural gas distribution	1.207	1.128	1.129	1.388	1.5
Water, sewage and other systems	1.649	1.748	1.670	1.893	1.9
Residential building construction	1.445	1.486	1.490	1.441	1.4
Non-residential building construction	1.420	1.586	1.589	1.497	1.6
Transportation engineering construction	1.652	2.265	2.266	2.079	1.8
Oil and gas engineering construction	1.438	1.624	1.626	1.476	1.5
Electric power engineering construction	1.316	1.270	1.273	1.365	1.3
Communication engineering construction	1.314	1.646	1.645	1.648	1.5
Other engineering construction	1.492	1.630	1.630	1.535	1.4
Repair construction	1.481	1.551	1.554	1.394	1.4
Other activities of the construction industry	1.302	1.285	1.279	1.259	1.4
Animal food manufacturing	1.646	2.247	2.247	2.336	1.9
Grain and oilseed milling	1.867	3.661	3.667	7.201	6.0
Sugar and confectionery product manufacturing	1.295	1.595	1.595	1.436	1.4
Fruit and vegetable preserving and specialty food manufacturing	1.559	1.772	1.773	1.832	1.9
Dairy product manufacturing	2.217	2.372	2.372	3.062	6.0
Meat product manufacturing	2.239	2.549	2.550	3.062	4.1
Seafood product preparation and packaging	1.238	1.266	1.268	1.395	2.1
Bakeries and tortilla manufacturing	1.358	1.388	1.391	1.365	1.3
Other food manufacturing	1.362	1.333	1.333	1.456	1.3
Soft drink and ice manufacturing	1.466	1.729	1.728	1.617	1.5
Breweries	1.287	1.236	1.240	1.491	1.4
Wineries and distilleries	1.314	1.264	1.263	1.517	1.4
Tobacco manufacturing	1.463	1.541	1.539	1.401	0.0
Textile and textile product mills	1.275	1.385	1.383	1.245	1.2
Clothing and leather and allied product manufacturing	1.356	1.459	1.457	1.284	1.2
Sawmills and wood preservation	1.906	2.163	2.184	2.177	2.6

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Veneer, plywood and engineered wood product manufacturing	1.626	1.726	1.735	1.777	1.9
Other wood product manufacturing	1.641	1.857	1.862	1.586	1.4
Pulp, paper and paperboard mills	1.693	2.058	2.078	2.272	3.4
Converted paper product manufacturing	1.278	1.433	1.437	1.342	1.4
Printing and related support activities	1.328	1.333	1.337	1.283	1.2
Petroleum refineries	1.865	3.048	3.051	9.989	15.1
Petroleum and coal product manufacturing (except petroleum refineries)	1.715	2.344	2.349	2.006	1.9
Basic chemical manufacturing	1.791	2.041	2.036	3.583	6.4
Resin, synthetic rubber, and artificial and synthetic fibres and filaments manufacturing	1.735	1.716	1.727	2.571	4.7
Pesticide, fertilizer and other agricultural chemical manufacturing	1.575	1.813	1.799	2.075	2.3
Pharmaceutical and medicine manufacturing	1.257	1.307	1.310	1.258	1.3
Paint, coating and adhesive manufacturing	1.321	1.293	1.320	1.412	1.3
Soap, cleaning compound and toilet preparation manufacturing	1.364	1.481	1.485	1.394	1.4
Other chemical product manufacturing	1.413	1.837	1.858	1.508	1.7
Plastic product manufacturing	1.530	1.757	1.757	1.404	1.3
Rubber product manufacturing	1.204	1.256	1.298	1.330	1.4
Non-metallic mineral product manufacturing (except cement and concrete products)	1.470	1.534	1.537	1.522	1.4
Cement and concrete product manufacturing	1.594	1.718	1.720	1.885	1.9
Iron and steel mills and ferro-alloy manufacturing	1.504	1.567	1.570	1.637	1.7
Steel product manufacturing from purchased steel	1.491	2.052	2.065	1.666	1.9
Alumina and aluminum production and processing	1.153	1.273	1.274	1.396	1.3
Non-ferrous metal (except aluminum) production and processing	1.229	2.617	2.618	2.245	3.0
Foundries	1.348	1.368	1.371	1.252	1.2
Forging and stamping	1.279	1.447	1.451	1.623	2.0
Cutlery, hand tools and other fabricated metal product manufacturing	1.301	1.345	1.348	1.325	1.4
Architectural and structural metals manufacturing	1.429	1.587	1.591	1.477	1.5
Boiler, tank and shipping container manufacturing	1.319	1.399	1.402	1.354	1.4
Hardware manufacturing	1.168	1.181	1.182	1.098	1.1
Spring and wire product manufacturing	1.316	1.468	1.471	1.214	1.3
Machine shops, turned product, and screw, nut and bolt manufacturing	1.354	1.396	1.399	1.286	1.3
Coating, engraving, cold and heat treating and allied activities	1.320	1.340	1.341	1.239	1.2
Agricultural, construction and mining machinery manufacturing	1.198	1.320	1.323	1.290	1.3
Industrial machinery manufacturing	0.968	1.018	1.021	1.013	1.1
Commercial and service industry machinery manufacturing	1.179	1.277	1.280	1.176	1.1
Ventilation, heating, air-conditioning and commercial refrigeration equipment manufacturing	1.207	1.209	1.212	1.217	1.2
Metalworking machinery manufacturing	1.309	1.340	1.342	1.296	1.3
Engine, turbine and power transmission equipment manufacturing	1.228	1.301	1.304	1.629	2.0
Other general-purpose machinery manufacturing	1.225	1.283	1.285	1.312	1.4
Computer and peripheral equipment manufacturing	1.260	1.315	1.317	1.214	1.4
Communications equipment manufacturing	1.204	1.273	1.275	1.193	1.2
Other electronic product manufacturing	1.158	1.191	1.193	1.286	1.4
Semiconductor and other electronic component manufacturing	1.279	1.407	1.427	1.257	1.2
Electric lighting equipment manufacturing	1.216	1.313	1.309	1.374	1.6
Household appliance manufacturing	1.172	1.172	1.173	1.131	1.1
Electrical equipment manufacturing	1.153	1.295	1.297	1.192	1.3
Other electrical equipment and component manufacturing	1.287	1.312	1.314	1.355	1.3
Automobile and light-duty motor vehicle manufacturing	1.276	1.218	1.224	1.134	1.1

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Heavy-duty truck manufacturing	1.278	1.341	1.347	1.411	1.1
Motor vehicle body and trailer manufacturing	1.197	1.396	1.397	1.272	1.3
Motor vehicle gasoline engine and engine parts manufacturing	1.377	1.624	1.601	1.408	1.3
Motor vehicle electrical and electronic equipment manufacturing	1.272	1.250	1.250	1.514	1.4
Motor vehicle steering and suspension components (except spring) manufacturing	1.197	1.301	1.302	1.295	1.3
Motor vehicle brake system manufacturing	1.309	1.541	1.541	1.597	1.3
Motor vehicle transmission and power train parts manufacturing	1.144	1.300	1.301	1.253	1.2
Motor vehicle seating and interior trim manufacturing	1.143	1.118	1.119	1.101	1.1
Motor vehicle metal stamping	1.164	1.131	1.132	1.106	1.1
Other motor vehicle parts manufacturing	1.262	1.262	1.264	1.170	1.2
Aerospace product and parts manufacturing	1.230	1.284	1.286	1.247	1.4
Railroad rolling stock manufacturing	NA	NA	NA	NA	NA
Ship and boat building	1.240	1.250	1.251	1.214	1.1
Other transportation equipment manufacturing	1.182	1.303	1.304	1.288	1.3
Household and institutional furniture and kitchen cabinet manufacturing	1.258	1.321	1.322	1.202	1.1
Office furniture (including fixtures) manufacturing	1.270	1.290	1.292	1.211	1.1
Other furniture-related product manufacturing	1.133	1.220	1.219	1.174	1.1
Medical equipment and supplies manufacturing	1.363	1.431	1.433	1.332	1.3
Other miscellaneous manufacturing	1.366	1.432	1.433	1.374	1.3
Farm product merchant wholesalers	1.413	1.416	1.417	1.465	1.4
Petroleum and petroleum products merchant wholesalers	1.418	1.427	1.424	1.948	2.6
Food, beverage and tobacco merchant wholesalers	1.364	1.330	1.331	1.320	1.2
Personal and household goods merchant wholesalers	1.320	1.272	1.273	1.179	1.2
Motor vehicle and motor vehicle parts and accessories merchant wholesalers	1.300	1.254	1.255	1.191	1.2
Building material and supplies merchant wholesalers	1.287	1.229	1.231	1.191	1.2
Machinery, equipment and supplies merchant wholesalers	1.261	1.201	1.202	1.163	1.2
Miscellaneous merchant wholesalers	1.379	1.347	1.349	1.314	1.3
Business-to-business electronic markets, and agents and brokers	1.393	1.382	1.382	1.325	1.3
Motor vehicle and parts dealers	1.316	1.265	1.266	1.196	1.2
Furniture and home furnishings stores	1.520	1.610	1.609	1.497	1.3
Electronics and appliance stores	1.388	1.356	1.358	1.299	1.2
Building material and garden equipment and supplies dealers	1.390	1.364	1.365	1.342	1.2
Food and beverage stores	1.338	1.290	1.292	1.221	1.1
Health and personal care stores	1.420	1.407	1.409	1.337	1.2
Gasoline stations	1.336	1.292	1.294	1.432	1.2
Clothing and clothing accessories stores	1.506	1.550	1.553	1.483	1.2
Sporting goods, hobby, book and music stores	1.436	1.417	1.420	1.258	1.1
General merchandise stores	1.368	1.325	1.327	1.257	1.1
Miscellaneous store retailers (except cannabis)	1.470	1.496	1.497	1.376	1.2
Cannabis stores (licensed)	1.531	1.619	1.618	1.388	1.2
Cannabis stores (unlicensed)	1.271	1.213	1.215	1.099	1.1
Non-store retailers	1.412	1.409	1.411	1.268	1.3
Air transportation	1.598	1.674	1.673	1.525	1.4
Rail transportation	1.381	1.272	1.267	1.404	1.6
Water transportation	1.241	1.205	1.204	1.146	1.0
Truck transportation	1.715	1.887	1.849	1.644	1.6
Urban transit systems	1.653	1.168	1.852	1.106	1.1
Other transit and ground passenger transportation and scenic and sightseeing transportation	1.289	1.212	1.208	1.136	1.1
Taxi and limousine service	1.547	1.672	1.646	1.430	1.2
Crude oil and other pipeline transportation	1.335	1.276	1.277	1.676	2.2

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Pipeline transportation of natural gas	1.086	1.048	1.049	1.180	1.3
Support activities for transportation	1.541	1.650	1.655	1.703	1.7
Postal service	1.267	1.170	1.170	1.088	1.1
Couriers and messengers	1.560	1.565	1.563	1.509	1.4
Warehousing and storage	1.216	1.162	1.164	1.158	1.1
Newspaper publishers	1.477	1.499	1.504	1.452	1.4
Periodical, book and directory publishers	1.352	1.335	1.337	1.402	1.5
Software publishers	1.235	1.215	1.218	1.176	1.3
Motion picture and video industries (except exhibition)	1.513	1.759	2.060	1.436	1.4
Motion picture and video exhibition	1.300	1.330	1.318	1.568	1.3
Sound recording industries	1.290	1.372	1.369	1.276	1.1
Radio and television broadcasting	1.281	1.282	1.274	1.304	1.3
Pay and specialty television	1.271	1.466	1.418	2.397	1.9
Telecommunications	1.175	1.164	1.165	1.396	1.5
Data processing, hosting, and related services	1.306	1.298	1.300	1.311	1.4
Other information services	1.515	1.640	1.640	1.407	1.7
Monetary authorities - central bank	1.284	1.269	1.263	1.188	3.5
Banking and other depository credit intermediation	1.215	1.163	1.164	1.201	1.3
Local credit unions	1.421	1.442	1.439	1.288	1.3
Non-depository credit intermediation	1.531	1.759	1.737	2.009	2.0
Activities related to credit intermediation	1.499	1.684	1.654	1.620	1.5
Financial investment services, funds and other financial vehicles	1.814	2.456	2.384	1.979	2.1
Insurance carriers	1.653	2.021	2.013	2.788	2.9
Agencies, brokerages and other insurance related activities	1.316	1.271	1.267	1.189	1.2
Lessors of real estate	1.356	1.279	1.280	1.462	2.7
Offices of real estate agents and brokers and activities related to real estate	1.474	1.508	1.501	1.462	1.4
Owner-occupied dwellings	1.134	1.081	1.082	1.060	0.0
Automotive equipment rental and leasing	1.439	1.433	1.429	1.761	1.8
Rental and leasing services (except automotive equipment)	1.386	1.359	1.355	1.414	1.5
Lessors of non-financial intangible assets (except copyrighted works)	1.436	1.482	1.484	1.665	1.7
Legal services	1.249	1.191	1.192	1.137	1.2
Accounting, tax preparation, bookkeeping and payroll services	1.324	1.281	1.283	1.203	1.2
Architectural, engineering and related services	1.331	1.317	1.318	1.231	1.3
Specialized design services	1.504	1.582	1.583	1.420	1.2
Computer systems design and related services	1.281	1.268	1.271	1.260	1.3
Management, scientific and technical consulting services	1.360	1.327	1.329	1.296	1.3
Scientific research and development services	1.300	1.215	1.248	1.328	1.4
Advertising, public relations, and related services	1.466	1.525	1.526	1.463	1.5
Other professional, scientific and technical services	1.533	1.673	1.675	1.545	1.6
Holding companies	1.348	1.335	1.336	1.218	1.3
Office administrative services	1.339	1.303	1.305	1.252	1.3
Facilities and other support services	1.373	1.347	1.349	1.617	1.7
Employment services	1.358	1.326	1.328	1.255	1.3
Business support services	1.338	1.295	1.297	1.235	1.3
Travel arrangement and reservation services	1.468	1.522	1.524	1.454	1.6
Investigation and security services	1.230	1.185	1.186	1.130	1.1
Services to buildings and dwellings	1.417	1.437	1.432	1.355	1.3
Waste management and remediation services	1.467	1.486	1.486	1.652	1.7
Educational services	1.481	1.511	1.507	1.315	1.2
Offices of physicians	1.156	1.107	1.107	1.129	1.2
Offices of dentists	1.317	1.301	1.298	1.287	1.3
Miscellaneous ambulatory health care services	1.148	1.100	1.101	1.064	1.1
Nursing and residential care facilities	1.234	1.168	1.167	1.128	1.1
Social assistance	1.449	1.490	1.479	1.313	1.2
Performing arts, spectator sports and related industries, and heritage institutions	1.430	1.431	1.449	1.359	1.3

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Amusement and recreation industries	1.436	1.513	1.504	1.390	1.2
Gambling industries	1.388	1.621	1.601	1.524	1.5
Traveller accommodation	1.286	1.237	1.235	1.252	1.2
Recreational vehicle (RV) parks, recreational camps, and rooming and boarding houses	1.346	1.343	1.330	1.424	1.3
Food services and drinking places	1.455	1.458	1.454	1.319	1.2
Automotive repair and maintenance	1.355	1.374	1.372	1.276	1.3
Repair and maintenance (except automotive)	1.337	1.298	1.297	1.262	1.2
Personal care services and other personal services	1.394	1.383	1.383	1.272	1.1
Funeral services	1.293	1.251	1.251	1.348	1.3
Dry cleaning and laundry services	1.397	1.376	1.374	1.309	1.2
Business, professional and other membership organizations	1.427	1.416	1.449	1.261	1.3
Private households	NA	NA	NA	NA	NA
Repair and maintenance	NA	NA	NA	NA	NA
Operating supplies	NA	NA	NA	NA	NA
Office supplies	NA	NA	NA	NA	NA
Advertising, promotion, meals and entertainment	NA	NA	NA	NA	NA
Travel, meetings and conventions	NA	NA	NA	NA	NA
Transportation margins	NA	NA	NA	NA	NA
Educational services	1.232	1.184	1.180	1.116	1.1
Ambulatory health care services	1.428	1.459	1.458	1.300	1.3
Social assistance	1.222	1.164	1.164	1.100	1.1
Arts, entertainment and recreation	1.388	1.435	1.426	1.274	1.2
Religious organizations	1.420	1.438	1.435	1.277	1.2
Grant-making, civic, and professional and similar organizations	1.534	1.689	1.673	1.432	1.4
Other non-profit institutions serving households	1.559	1.788	1.760	1.541	1.2
Elementary and secondary schools	1.175	1.127	1.126	1.091	1.1
Community colleges and C.E.G.E.P.s	1.233	1.170	1.170	1.129	1.1
Universities	1.184	1.122	1.122	1.127	1.2
Other educational services	1.266	1.210	1.210	1.173	1.7
Hospitals	1.256	1.246	1.248	1.210	1.3
Nursing and residential care facilities	1.198	1.150	1.151	1.116	1.2
Defence services	1.325	1.262	1.263	1.198	1.3
Other federal government services (except defence)	1.391	1.368	1.370	1.279	1.5
Other provincial and territorial government services	1.701	2.469	2.479	2.363	2.9
Other municipal government services	1.267	1.197	1.199	1.217	1.3
Other aboriginal government services	1.656	1.957	1.959	1.813	1.7

**Table 5: Alberta Type II Multipliers (Industries)
Closed Model – Direct, Indirect and Induced Impacts**

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Crop production (except cannabis, greenhouse, nursery and floriculture production)	1.740	1.852	1.855	1.975	2.4
Greenhouse, nursery and floriculture production (except cannabis)	1.744	1.858	1.854	1.667	1.2
Cannabis production (licensed)	1.603	1.583	1.571	1.838	1.2
Cannabis production (unlicensed)	1.899	1.809	1.775	1.510	1.2
Animal production (except aquaculture)	2.579	16.154	16.868	6.433	2.2
Aquaculture	1.731	2.076	2.060	1.811	1.3
Forestry and logging	1.962	2.287	2.252	2.106	1.9
Fishing, hunting and trapping	1.577	1.429	1.431	1.360	1.2
Support activities for crop and animal production	1.660	1.485	1.512	1.408	1.3
Support activities for forestry	1.785	1.879	1.862	1.678	1.6
Oil and gas extraction (except oil sands)	1.723	2.006	1.996	2.120	2.9
Oil sands extraction	1.389	1.356	1.358	2.746	5.2
Coal mining	1.932	2.221	2.197	2.395	3.3
Iron ore mining	NA	NA	NA	NA	NA
Gold and silver ore mining	1.467	1.428	1.419	1.772	1.2
Copper, nickel, lead and zinc ore mining	NA	NA	NA	NA	NA
Other metal ore mining	NA	NA	NA	NA	NA
Stone mining and quarrying	1.596	1.501	1.501	1.632	1.7
Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying	1.671	1.677	1.666	2.039	2.1
Diamond mining	NA	NA	NA	NA	NA
Other non-metallic mineral mining and quarrying (except diamond and potash)	1.362	1.291	1.291	2.003	1.6
Potash mining	NA	NA	NA	NA	NA
Support activities for oil and gas extraction	1.486	1.375	1.376	1.406	1.4
Support activities for mining	1.645	1.594	1.595	1.543	1.8
Electric power generation, transmission and distribution	1.691	1.625	1.626	1.755	2.2
Natural gas distribution	1.350	1.236	1.238	1.717	1.8
Water, sewage and other systems	1.810	1.999	1.894	2.356	2.3
Residential building construction	1.707	1.840	1.844	1.799	1.7
Non-residential building construction	1.667	1.985	1.988	1.875	2.0
Transportation engineering construction	1.876	2.775	2.773	2.586	2.1
Oil and gas engineering construction	1.732	2.050	2.052	1.833	1.9
Electric power engineering construction	1.523	1.487	1.490	1.702	1.6
Communication engineering construction	1.483	2.014	2.010	2.054	1.8
Other engineering construction	1.742	2.018	2.016	1.905	1.6
Repair construction	1.772	1.967	1.968	1.732	1.7
Other activities of the construction industry	1.549	1.550	1.538	1.574	1.8
Animal food manufacturing	1.788	2.660	2.656	2.906	2.2
Grain and oilseed milling	2.013	4.250	4.254	9.014	7.5
Sugar and confectionery product manufacturing	1.456	1.973	1.971	1.764	1.6
Fruit and vegetable preserving and specialty food manufacturing	1.737	2.096	2.096	2.255	2.2
Dairy product manufacturing	2.395	2.802	2.801	3.766	6.9
Meat product manufacturing	2.409	3.062	3.064	3.793	4.6
Seafood product preparation and packaging	1.398	1.471	1.474	1.744	2.9
Bakeries and tortilla manufacturing	1.545	1.659	1.661	1.674	1.4
Other food manufacturing	1.527	1.533	1.533	1.787	1.5
Soft drink and ice manufacturing	1.644	2.098	2.094	1.979	1.7
Breweries	1.396	1.353	1.359	1.804	1.6
Wineries and distilleries	1.456	1.415	1.411	1.880	1.6
Tobacco manufacturing	1.729	1.917	1.913	1.750	0.0
Textile and textile product mills	1.534	1.811	1.807	1.557	1.3
Clothing and leather and allied product manufacturing	1.659	1.917	1.911	1.602	1.3
Sawmills and wood preservation	2.132	2.570	2.589	2.655	3.1

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Veneer, plywood and engineered wood product manufacturing	1.812	2.020	2.028	2.173	2.3
Other wood product manufacturing	1.896	2.305	2.308	1.946	1.6
Pulp, paper and paperboard mills	1.862	2.401	2.422	2.777	4.2
Converted paper product manufacturing	1.443	1.750	1.753	1.660	1.6
Printing and related support activities	1.565	1.627	1.630	1.578	1.4
Petroleum refineries	1.969	3.318	3.319	12.315	19.4
Petroleum and coal product manufacturing (except petroleum refineries)	1.898	2.779	2.779	2.455	2.3
Basic chemical manufacturing	1.921	2.267	2.259	4.415	8.1
Resin, synthetic rubber, and artificial and synthetic fibres and filaments manufacturing	1.843	1.868	1.879	3.160	6.2
Pesticide, fertilizer and other agricultural chemical manufacturing	1.741	2.097	2.075	2.559	2.9
Pharmaceutical and medicine manufacturing	1.502	1.651	1.654	1.574	1.6
Paint, coating and adhesive manufacturing	1.498	1.504	1.550	1.751	1.5
Soap, cleaning compound and toilet preparation manufacturing	1.574	1.833	1.835	1.740	1.7
Other chemical product manufacturing	1.577	2.282	2.309	1.869	2.2
Plastic product manufacturing	1.751	2.167	2.164	1.730	1.6
Rubber product manufacturing	1.331	1.444	1.516	1.625	1.7
Non-metallic mineral product manufacturing (except cement and concrete products)	1.675	1.820	1.822	1.868	1.6
Cement and concrete product manufacturing	1.777	1.994	1.992	2.322	2.2
Iron and steel mills and ferro-alloy manufacturing	1.682	1.829	1.830	1.970	2.1
Steel product manufacturing from purchased steel	1.666	2.543	2.553	2.029	2.3
Alumina and aluminum production and processing	1.239	1.446	1.447	1.698	1.5
Non-ferrous metal (except aluminum) production and processing	1.286	3.155	3.147	2.752	3.8
Foundries	1.622	1.713	1.715	1.528	1.4
Forging and stamping	1.396	1.670	1.673	2.015	2.6
Cutlery, hand tools and other fabricated metal product manufacturing	1.519	1.648	1.651	1.641	1.7
Architectural and structural metals manufacturing	1.661	1.978	1.983	1.831	1.7
Boiler, tank and shipping container manufacturing	1.517	1.705	1.708	1.665	1.7
Hardware manufacturing	1.521	1.566	1.567	1.362	1.3
Spring and wire product manufacturing	1.594	1.946	1.947	1.472	1.6
Machine shops, turned product, and screw, nut and bolt manufacturing	1.637	1.766	1.769	1.596	1.5
Coating, engraving, cold and heat treating and allied activities	1.569	1.647	1.648	1.506	1.5
Agricultural, construction and mining machinery manufacturing	1.376	1.609	1.613	1.601	1.5
Industrial machinery manufacturing	1.113	1.271	1.274	1.266	1.3
Commercial and service industry machinery manufacturing	1.433	1.677	1.678	1.476	1.3
Ventilation, heating, air-conditioning and commercial refrigeration equipment manufacturing	1.403	1.435	1.439	1.498	1.4
Metalworking machinery manufacturing	1.555	1.659	1.661	1.613	1.6
Engine, turbine and power transmission equipment manufacturing	1.342	1.474	1.477	2.020	2.5
Other general-purpose machinery manufacturing	1.406	1.542	1.544	1.622	1.8
Computer and peripheral equipment manufacturing	1.546	1.712	1.715	1.511	1.8
Communications equipment manufacturing	1.436	1.602	1.604	1.498	1.4
Other electronic product manufacturing	1.292	1.369	1.372	1.588	1.7
Semiconductor and other electronic component manufacturing	1.544	1.852	1.892	1.570	1.3
Electric lighting equipment manufacturing	1.366	1.551	1.541	1.710	1.9
Household appliance manufacturing	1.454	1.494	1.495	1.418	1.2
Electrical equipment manufacturing	1.335	1.663	1.665	1.469	1.7
Other electrical equipment and component manufacturing	1.464	1.538	1.540	1.697	1.5
Automobile and light-duty motor vehicle manufacturing	1.633	1.619	1.625	1.397	1.3

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Heavy-duty truck manufacturing	1.437	1.556	1.563	1.754	1.2
Motor vehicle body and trailer manufacturing	1.374	1.759	1.759	1.583	1.5
Motor vehicle gasoline engine and engine parts manufacturing	1.591	2.075	2.047	1.754	1.5
Motor vehicle electrical and electronic equipment manufacturing	1.427	1.414	1.414	1.867	1.6
Motor vehicle steering and suspension components (except spring) manufacturing	1.348	1.609	1.609	1.608	1.5
Motor vehicle brake system manufacturing	1.460	1.855	1.854	1.982	1.5
Motor vehicle transmission and power train parts manufacturing	1.279	1.611	1.610	1.556	1.4
Motor vehicle seating and interior trim manufacturing	1.425	1.399	1.398	1.379	1.2
Motor vehicle metal stamping	1.406	1.387	1.389	1.342	1.2
Other motor vehicle parts manufacturing	1.589	1.656	1.659	1.458	1.5
Aerospace product and parts manufacturing	1.425	1.565	1.568	1.503	1.7
Railroad rolling stock manufacturing	NA	NA	NA	NA	NA
Ship and boat building	1.488	1.551	1.552	1.519	1.3
Other transportation equipment manufacturing	1.365	1.624	1.625	1.610	1.7
Household and institutional furniture and kitchen cabinet manufacturing	1.493	1.665	1.665	1.497	1.2
Office furniture (including fixtures) manufacturing	1.538	1.629	1.631	1.517	1.3
Other furniture-related product manufacturing	1.235	1.437	1.433	1.443	1.3
Medical equipment and supplies manufacturing	1.649	1.820	1.821	1.666	1.4
Other miscellaneous manufacturing	1.604	1.772	1.772	1.712	1.5
Farm product merchant wholesalers	1.662	1.688	1.687	1.831	1.7
Petroleum and petroleum products merchant wholesalers	1.578	1.607	1.601	2.419	3.2
Food, beverage and tobacco merchant wholesalers	1.623	1.596	1.597	1.633	1.4
Personal and household goods merchant wholesalers	1.697	1.617	1.617	1.461	1.4
Motor vehicle and motor vehicle parts and accessories merchant wholesalers	1.629	1.565	1.565	1.472	1.5
Building material and supplies merchant wholesalers	1.607	1.509	1.512	1.477	1.4
Machinery, equipment and supplies merchant wholesalers	1.597	1.486	1.488	1.447	1.5
Miscellaneous merchant wholesalers	1.645	1.622	1.625	1.625	1.6
Business-to-business electronic markets, and agents and brokers	1.698	1.707	1.706	1.653	1.5
Motor vehicle and parts dealers	1.685	1.599	1.600	1.498	1.4
Furniture and home furnishings stores	1.819	1.988	1.985	1.872	1.5
Electronics and appliance stores	1.711	1.674	1.675	1.624	1.4
Building material and garden equipment and supplies dealers	1.670	1.648	1.648	1.669	1.3
Food and beverage stores	1.674	1.596	1.598	1.508	1.3
Health and personal care stores	1.730	1.728	1.729	1.665	1.4
Gasoline stations	1.547	1.489	1.490	1.786	1.4
Clothing and clothing accessories stores	1.791	1.874	1.877	1.854	1.3
Sporting goods, hobby, book and music stores	1.829	1.817	1.820	1.572	1.3
General merchandise stores	1.698	1.638	1.640	1.566	1.3
Miscellaneous store retailers (except cannabis)	1.796	1.856	1.857	1.722	1.3
Cannabis stores (licensed)	1.898	2.065	2.062	1.739	1.3
Cannabis stores (unlicensed)	1.819	1.630	1.633	1.394	1.3
Non-store retailers	1.799	1.824	1.825	1.583	1.5
Air transportation	1.803	1.986	1.983	1.895	1.7
Rail transportation	1.555	1.433	1.425	1.736	2.0
Water transportation	1.555	1.540	1.535	1.434	1.1
Truck transportation	1.975	2.331	2.266	2.053	1.9
Urban transit systems	2.658	1.482	3.432	1.350	1.4
Other transit and ground passenger transportation and scenic and sightseeing transportation	1.624	1.517	1.505	1.409	1.2
Taxi and limousine service	1.866	2.135	2.086	1.803	1.3
Crude oil and other pipeline transportation	1.485	1.417	1.417	2.076	2.8

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Pipeline transportation of natural gas	1.189	1.118	1.119	1.449	1.6
Support activities for transportation	1.768	1.978	1.981	2.110	1.9
Postal service	1.705	1.525	1.524	1.320	1.3
Couriers and messengers	1.827	1.895	1.886	1.871	1.5
Warehousing and storage	1.511	1.403	1.405	1.441	1.3
Newspaper publishers	1.738	1.814	1.819	1.779	1.6
Periodical, book and directory publishers	1.551	1.539	1.542	1.696	1.7
Software publishers	1.544	1.502	1.508	1.460	1.8
Motion picture and video industries (except exhibition)	1.872	2.328	2.864	1.795	1.6
Motion picture and video exhibition	1.468	1.535	1.524	1.960	1.5
Sound recording industries	1.559	1.761	1.754	1.600	1.2
Radio and television broadcasting	1.531	1.563	1.556	1.614	1.5
Pay and specialty television	1.371	1.682	1.634	2.968	2.1
Telecommunications	1.266	1.251	1.252	1.691	1.8
Data processing, hosting, and related services	1.571	1.563	1.566	1.639	1.8
Other information services	1.829	2.055	2.054	1.762	2.1
Monetary authorities - central bank	1.535	1.523	1.512	1.414	5.5
Banking and other depository credit intermediation	1.452	1.356	1.356	1.471	1.6
Local credit unions	1.770	1.838	1.828	1.585	1.6
Non-depository credit intermediation	1.756	2.092	2.058	2.503	2.4
Activities related to credit intermediation	1.778	2.087	2.038	2.029	1.7
Financial investment services, funds and other financial vehicles	2.120	3.093	2.980	2.470	2.6
Insurance carriers	1.918	2.426	2.412	3.470	3.4
Agencies, brokerages and other insurance related activities	1.732	1.647	1.637	1.497	1.4
Lessors of real estate	1.593	1.490	1.489	1.840	3.8
Offices of real estate agents and brokers and activities related to real estate	1.772	1.855	1.842	1.837	1.6
Owner-occupied dwellings	1.639	1.427	1.428	1.345	0.0
Automotive equipment rental and leasing	1.633	1.643	1.636	2.184	2.1
Rental and leasing services (except automotive equipment)	1.613	1.600	1.592	1.756	1.7
Lessors of non-financial intangible assets (except copyrighted works)	1.658	1.744	1.746	2.086	2.1
Legal services	1.687	1.544	1.546	1.439	1.6
Accounting, tax preparation, bookkeeping and payroll services	1.708	1.634	1.636	1.508	1.5
Architectural, engineering and related services	1.676	1.673	1.675	1.535	1.6
Specialized design services	1.842	2.010	2.010	1.784	1.4
Computer systems design and related services	1.560	1.542	1.547	1.581	1.6
Management, scientific and technical consulting services	1.690	1.649	1.652	1.622	1.6
Scientific research and development services	1.561	1.419	1.483	1.674	1.8
Advertising, public relations, and related services	1.770	1.897	1.898	1.838	1.8
Other professional, scientific and technical services	1.854	2.111	2.112	1.945	1.9
Holding companies	1.762	1.753	1.755	1.524	1.5
Office administrative services	1.684	1.630	1.633	1.573	1.6
Facilities and other support services	1.569	1.541	1.543	2.020	2.1
Employment services	1.708	1.668	1.670	1.560	1.6
Business support services	1.701	1.638	1.639	1.552	1.5
Travel arrangement and reservation services	1.757	1.871	1.873	1.810	2.0
Investigation and security services	1.625	1.522	1.524	1.413	1.2
Services to buildings and dwellings	1.728	1.799	1.789	1.702	1.4
Waste management and remediation services	1.698	1.757	1.755	2.069	2.1
Educational services	1.869	1.947	1.938	1.648	1.3
Offices of physicians	1.437	1.316	1.315	1.422	1.5
Offices of dentists	1.599	1.583	1.575	1.618	1.5
Miscellaneous ambulatory health care services	1.646	1.468	1.468	1.341	1.2
Nursing and residential care facilities	1.658	1.520	1.516	1.413	1.2
Social assistance	1.833	1.932	1.910	1.645	1.3
Performing arts, spectator sports and related industries, and heritage institutions	1.759	1.791	1.824	1.690	1.5

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Amusement and recreation industries	1.747	1.896	1.878	1.736	1.3
Gambling industries	1.652	2.045	2.009	1.906	1.7
Traveller accommodation	1.548	1.493	1.487	1.563	1.3
Recreational vehicle (RV) parks, recreational camps, and rooming and boarding houses	1.562	1.595	1.571	1.778	1.5
Food services and drinking places	1.749	1.850	1.841	1.650	1.3
Automotive repair and maintenance	1.657	1.717	1.713	1.589	1.5
Repair and maintenance (except automotive)	1.626	1.581	1.577	1.574	1.4
Personal care services and other personal services	1.765	1.783	1.781	1.602	1.3
Funeral services	1.528	1.477	1.477	1.690	1.5
Dry cleaning and laundry services	1.667	1.685	1.680	1.639	1.3
Business, professional and other membership organizations	1.826	1.845	1.910	1.560	1.6
Private households	1.615	1.374	1.376	1.265	1.1
Repair and maintenance	NA	NA	NA	NA	NA
Operating supplies	NA	NA	NA	NA	NA
Office supplies	NA	NA	NA	NA	NA
Advertising, promotion, meals and entertainment	NA	NA	NA	NA	NA
Travel, meetings and conventions	NA	NA	NA	NA	NA
Transportation margins	NA	NA	NA	NA	NA
Educational services	1.652	1.546	1.538	1.389	1.2
Ambulatory health care services	1.801	1.900	1.894	1.623	1.6
Social assistance	1.686	1.532	1.532	1.369	1.2
Arts, entertainment and recreation	1.728	1.829	1.809	1.589	1.3
Religious organizations	1.772	1.829	1.820	1.582	1.4
Grant-making, civic, and professional and similar organizations	1.879	2.163	2.133	1.785	1.6
Other non-profit institutions serving households	1.865	2.251	2.203	1.924	1.4
Elementary and secondary schools	1.590	1.437	1.436	1.335	1.3
Community colleges and C.E.G.E.P.s	1.619	1.475	1.474	1.390	1.4
Universities	1.471	1.340	1.339	1.388	1.4
Other educational services	1.621	1.516	1.515	1.454	2.5
Hospitals	1.642	1.595	1.597	1.480	1.6
Nursing and residential care facilities	1.655	1.509	1.510	1.382	1.6
Defence services	1.650	1.566	1.567	1.456	1.6
Other federal government services (except defence)	1.743	1.722	1.726	1.564	1.9
Other provincial and territorial government services	1.987	3.012	3.024	2.940	3.6
Other municipal government services	1.533	1.418	1.420	1.491	1.7
Other aboriginal government services	2.004	2.473	2.473	2.259	1.9

**Table 6: Alberta Type II Multipliers With Safety Net (Industries)
Closed Model – Direct, Indirect and Induced Impacts**

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Crop production (except cannabis, greenhouse, nursery and floriculture production)	1.682	1.771	1.774	1.868	2.3
Greenhouse, nursery and floriculture production (except cannabis)	1.582	1.651	1.648	1.489	1.1
Cannabis production (licensed)	1.490	1.463	1.454	1.647	1.1
Cannabis production (unlicensed)	1.661	1.582	1.558	1.349	1.1
Animal production (except aquaculture)	2.495	14.932	15.589	5.926	2.1
Aquaculture	1.617	1.858	1.846	1.619	1.2
Forestry and logging	1.866	2.129	2.099	1.946	1.8
Fishing, hunting and trapping	1.333	1.243	1.244	1.203	1.1
Support activities for crop and animal production	1.484	1.344	1.364	1.279	1.2
Support activities for forestry	1.669	1.726	1.712	1.536	1.5
Oil and gas extraction (except oil sands)	1.664	1.920	1.911	2.015	2.8
Oil sands extraction	1.363	1.331	1.332	2.609	4.9
Coal mining	1.859	2.106	2.084	2.260	3.1
Iron ore mining	NA	NA	NA	NA	NA
Gold and silver ore mining	1.389	1.344	1.337	1.588	1.2
Copper, nickel, lead and zinc ore mining	NA	NA	NA	NA	NA
Other metal ore mining	NA	NA	NA	NA	NA
Stone mining and quarrying	1.528	1.441	1.442	1.553	1.6
Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying	1.614	1.613	1.604	1.925	1.9
Diamond mining	NA	NA	NA	NA	NA
Other non-metallic mineral mining and quarrying (except diamond and potash)	1.312	1.246	1.247	1.825	1.5
Potash mining	NA	NA	NA	NA	NA
Support activities for oil and gas extraction	1.404	1.307	1.308	1.327	1.3
Support activities for mining	1.570	1.522	1.523	1.477	1.7
Electric power generation, transmission and distribution	1.625	1.557	1.559	1.667	2.1
Natural gas distribution	1.300	1.199	1.200	1.603	1.7
Water, sewage and other systems	1.745	1.897	1.803	2.168	2.1
Residential building construction	1.597	1.692	1.696	1.649	1.6
Non-residential building construction	1.584	1.851	1.854	1.749	1.8
Transportation engineering construction	1.781	2.558	2.557	2.370	2.0
Oil and gas engineering construction	1.636	1.911	1.913	1.716	1.7
Electric power engineering construction	1.443	1.404	1.406	1.573	1.5
Communication engineering construction	1.415	1.866	1.863	1.891	1.7
Other engineering construction	1.634	1.851	1.849	1.746	1.5
Repair construction	1.648	1.791	1.792	1.589	1.6
Other activities of the construction industry	1.480	1.476	1.466	1.486	1.7
Animal food manufacturing	1.722	2.469	2.467	2.642	2.1
Grain and oilseed milling	1.968	4.068	4.072	8.455	7.1
Sugar and confectionery product manufacturing	1.373	1.778	1.777	1.595	1.5
Fruit and vegetable preserving and specialty food manufacturing	1.662	1.960	1.960	2.077	2.0
Dairy product manufacturing	2.327	2.639	2.638	3.499	6.5
Meat product manufacturing	2.336	2.841	2.843	3.479	4.4
Seafood product preparation and packaging	1.363	1.426	1.428	1.667	2.7
Bakeries and tortilla manufacturing	1.433	1.497	1.499	1.489	1.3
Other food manufacturing	1.428	1.414	1.414	1.590	1.4
Soft drink and ice manufacturing	1.544	1.891	1.890	1.776	1.6
Breweries	1.338	1.291	1.295	1.636	1.5
Wineries and distilleries	1.386	1.341	1.339	1.703	1.5
Tobacco manufacturing	1.707	1.887	1.882	1.722	0.0
Textile and textile product mills	1.390	1.575	1.572	1.384	1.2
Clothing and leather and allied product manufacturing	1.491	1.662	1.659	1.425	1.3
Sawmills and wood preservation	2.049	2.419	2.439	2.478	2.9

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Veneer, plywood and engineered wood product manufacturing	1.744	1.911	1.920	2.026	2.2
Other wood product manufacturing	1.762	2.069	2.073	1.757	1.5
Pulp, paper and paperboard mills	1.809	2.294	2.314	2.619	3.9
Converted paper product manufacturing	1.377	1.623	1.626	1.532	1.5
Printing and related support activities	1.442	1.475	1.478	1.426	1.3
Petroleum refineries	1.941	3.247	3.249	11.702	18.3
Petroleum and coal product manufacturing (except petroleum refineries)	1.832	2.622	2.624	2.293	2.2
Basic chemical manufacturing	1.885	2.204	2.196	4.182	7.6
Resin, synthetic rubber, and artificial and synthetic fibres and filaments manufacturing	1.816	1.830	1.841	3.013	5.8
Pesticide, fertilizer and other agricultural chemical manufacturing	1.685	2.001	1.982	2.396	2.7
Pharmaceutical and medicine manufacturing	1.420	1.537	1.539	1.469	1.5
Paint, coating and adhesive manufacturing	1.415	1.404	1.441	1.590	1.4
Soap, cleaning compound and toilet preparation manufacturing	1.485	1.683	1.686	1.593	1.6
Other chemical product manufacturing	1.530	2.154	2.180	1.765	2.0
Plastic product manufacturing	1.651	1.983	1.981	1.584	1.4
Rubber product manufacturing	1.285	1.376	1.438	1.519	1.6
Non-metallic mineral product manufacturing (except cement and concrete products)	1.578	1.684	1.686	1.703	1.5
Cement and concrete product manufacturing	1.708	1.890	1.890	2.158	2.1
Iron and steel mills and ferro-alloy manufacturing	1.617	1.733	1.735	1.849	2.0
Steel product manufacturing from purchased steel	1.609	2.383	2.394	1.910	2.2
Alumina and aluminum production and processing	1.195	1.357	1.358	1.543	1.4
Non-ferrous metal (except aluminum) production and processing	1.269	2.988	2.983	2.594	3.5
Foundries	1.502	1.561	1.564	1.406	1.3
Forging and stamping	1.362	1.606	1.609	1.902	2.4
Cutlery, hand tools and other fabricated metal product manufacturing	1.442	1.542	1.545	1.530	1.6
Architectural and structural metals manufacturing	1.568	1.822	1.826	1.690	1.6
Boiler, tank and shipping container manufacturing	1.446	1.594	1.597	1.553	1.6
Hardware manufacturing	1.346	1.375	1.377	1.231	1.2
Spring and wire product manufacturing	1.497	1.779	1.780	1.381	1.5
Machine shops, turned product, and screw, nut and bolt manufacturing	1.525	1.619	1.623	1.473	1.4
Coating, engraving, cold and heat treating and allied activities	1.463	1.516	1.517	1.392	1.4
Agricultural, construction and mining machinery manufacturing	1.311	1.503	1.507	1.487	1.4
Industrial machinery manufacturing	1.053	1.166	1.169	1.161	1.2
Commercial and service industry machinery manufacturing	1.311	1.486	1.488	1.333	1.2
Ventilation, heating, air-conditioning and commercial refrigeration equipment manufacturing	1.320	1.340	1.343	1.379	1.3
Metalworking machinery manufacturing	1.467	1.544	1.546	1.499	1.5
Engine, turbine and power transmission equipment manufacturing	1.307	1.421	1.424	1.900	2.4
Other general-purpose machinery manufacturing	1.348	1.459	1.461	1.522	1.6
Computer and peripheral equipment manufacturing	1.473	1.612	1.614	1.435	1.7
Communications equipment manufacturing	1.341	1.467	1.469	1.373	1.3
Other electronic product manufacturing	1.247	1.309	1.311	1.486	1.6
Semiconductor and other electronic component manufacturing	1.396	1.604	1.633	1.395	1.2
Electric lighting equipment manufacturing	1.316	1.471	1.463	1.598	1.8
Household appliance manufacturing	1.295	1.312	1.313	1.256	1.1
Electrical equipment manufacturing	1.282	1.556	1.559	1.389	1.6
Other electrical equipment and component manufacturing	1.383	1.435	1.436	1.541	1.4
Automobile and light-duty motor vehicle manufacturing	1.433	1.395	1.401	1.250	1.2

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Heavy-duty truck manufacturing	1.353	1.442	1.448	1.572	1.2
Motor vehicle body and trailer manufacturing	1.306	1.619	1.620	1.464	1.4
Motor vehicle gasoline engine and engine parts manufacturing	1.489	1.859	1.833	1.588	1.4
Motor vehicle electrical and electronic equipment manufacturing	1.351	1.334	1.333	1.694	1.5
Motor vehicle steering and suspension components (except spring) manufacturing	1.289	1.487	1.488	1.485	1.4
Motor vehicle brake system manufacturing	1.380	1.689	1.688	1.778	1.4
Motor vehicle transmission and power train parts manufacturing	1.218	1.471	1.471	1.419	1.3
Motor vehicle seating and interior trim manufacturing	1.264	1.238	1.238	1.220	1.1
Motor vehicle metal stamping	1.264	1.237	1.239	1.204	1.1
Other motor vehicle parts manufacturing	1.483	1.528	1.531	1.364	1.4
Aerospace product and parts manufacturing	1.360	1.470	1.473	1.417	1.6
Railroad rolling stock manufacturing	NA	NA	NA	NA	NA
Ship and boat building	1.350	1.384	1.385	1.350	1.2
Other transportation equipment manufacturing	1.308	1.522	1.523	1.508	1.6
Household and institutional furniture and kitchen cabinet manufacturing	1.363	1.474	1.475	1.333	1.2
Office furniture (including fixtures) manufacturing	1.404	1.460	1.461	1.364	1.2
Other furniture-related product manufacturing	1.185	1.330	1.328	1.311	1.2
Medical equipment and supplies manufacturing	1.497	1.613	1.615	1.489	1.3
Other miscellaneous manufacturing	1.489	1.607	1.608	1.549	1.4
Farm product merchant wholesalers	1.560	1.577	1.577	1.682	1.6
Petroleum and petroleum products merchant wholesalers	1.528	1.551	1.546	2.271	3.0
Food, beverage and tobacco merchant wholesalers	1.488	1.458	1.458	1.470	1.3
Personal and household goods merchant wholesalers	1.549	1.481	1.481	1.350	1.3
Motor vehicle and motor vehicle parts and accessories merchant wholesalers	1.508	1.451	1.451	1.369	1.4
Building material and supplies merchant wholesalers	1.477	1.395	1.397	1.361	1.3
Machinery, equipment and supplies merchant wholesalers	1.489	1.395	1.397	1.356	1.4
Miscellaneous merchant wholesalers	1.538	1.512	1.514	1.501	1.5
Business-to-business electronic markets, and agents and brokers	1.551	1.551	1.550	1.495	1.4
Motor vehicle and parts dealers	1.509	1.440	1.441	1.354	1.3
Furniture and home furnishings stores	1.662	1.790	1.788	1.675	1.4
Electronics and appliance stores	1.536	1.501	1.503	1.447	1.3
Building material and garden equipment and supplies dealers	1.515	1.491	1.492	1.488	1.3
Food and beverage stores	1.477	1.417	1.419	1.340	1.2
Health and personal care stores	1.560	1.551	1.553	1.484	1.3
Gasoline stations	1.434	1.384	1.385	1.597	1.3
Clothing and clothing accessories stores	1.645	1.708	1.711	1.664	1.3
Sporting goods, hobby, book and music stores	1.613	1.598	1.600	1.400	1.2
General merchandise stores	1.514	1.464	1.466	1.394	1.2
Miscellaneous store retailers (except cannabis)	1.624	1.666	1.667	1.539	1.2
Cannabis stores (licensed)	1.706	1.831	1.829	1.555	1.2
Cannabis stores (unlicensed)	1.532	1.412	1.414	1.240	1.2
Non-store retailers	1.619	1.631	1.632	1.437	1.4
Air transportation	1.699	1.827	1.825	1.707	1.6
Rail transportation	1.505	1.387	1.380	1.642	1.9
Water transportation	1.379	1.352	1.349	1.273	1.1
Truck transportation	1.878	2.166	2.111	1.901	1.8
Urban transit systems	2.279	1.363	2.835	1.258	1.3
Other transit and ground passenger transportation and scenic and sightseeing transportation	1.426	1.337	1.330	1.248	1.1
Taxi and limousine service	1.700	1.894	1.857	1.609	1.3
Crude oil and other pipeline transportation	1.444	1.378	1.379	1.965	2.6

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Pipeline transportation of natural gas	1.158	1.097	1.098	1.369	1.5
Support activities for transportation	1.667	1.832	1.836	1.928	1.8
Postal service	1.483	1.345	1.345	1.202	1.2
Couriers and messengers	1.679	1.712	1.707	1.670	1.4
Warehousing and storage	1.339	1.262	1.264	1.276	1.2
Newspaper publishers	1.581	1.624	1.629	1.582	1.5
Periodical, book and directory publishers	1.445	1.431	1.433	1.539	1.6
Software publishers	1.462	1.426	1.431	1.385	1.7
Motion picture and video industries (except exhibition)	1.673	2.013	2.418	1.596	1.5
Motion picture and video exhibition	1.379	1.426	1.415	1.752	1.4
Sound recording industries	1.407	1.542	1.538	1.418	1.2
Radio and television broadcasting	1.400	1.416	1.408	1.451	1.4
Pay and specialty television	1.313	1.557	1.509	2.638	2.0
Telecommunications	1.230	1.216	1.217	1.573	1.7
Data processing, hosting, and related services	1.480	1.472	1.475	1.526	1.7
Other information services	1.706	1.892	1.892	1.623	1.9
Monetary authorities - central bank	1.501	1.488	1.478	1.383	5.2
Banking and other depository credit intermediation	1.367	1.287	1.287	1.374	1.5
Local credit unions	1.623	1.670	1.663	1.459	1.5
Non-depository credit intermediation	1.665	1.958	1.928	2.303	2.2
Activities related to credit intermediation	1.643	1.892	1.852	1.831	1.6
Financial investment services, funds and other financial vehicles	2.015	2.875	2.775	2.301	2.5
Insurance carriers	1.806	2.256	2.244	3.183	3.2
Agencies, brokerages and other insurance related activities	1.560	1.492	1.484	1.370	1.3
Lessors of real estate	1.542	1.445	1.444	1.759	3.6
Offices of real estate agents and brokers and activities related to real estate	1.627	1.686	1.676	1.655	1.5
Owner-occupied dwellings	1.628	1.420	1.421	1.339	0.0
Automotive equipment rental and leasing	1.547	1.551	1.545	1.997	1.9
Rental and leasing services (except automotive equipment)	1.527	1.509	1.503	1.627	1.6
Lessors of non-financial intangible assets (except copyrighted works)	1.570	1.641	1.642	1.919	1.9
Legal services	1.568	1.448	1.450	1.357	1.5
Accounting, tax preparation, bookkeeping and payroll services	1.547	1.486	1.488	1.380	1.4
Architectural, engineering and related services	1.550	1.543	1.545	1.424	1.4
Specialized design services	1.663	1.783	1.784	1.592	1.3
Computer systems design and related services	1.447	1.431	1.435	1.451	1.5
Management, scientific and technical consulting services	1.556	1.518	1.521	1.489	1.5
Scientific research and development services	1.468	1.346	1.399	1.550	1.6
Advertising, public relations, and related services	1.618	1.711	1.712	1.650	1.6
Other professional, scientific and technical services	1.709	1.913	1.914	1.764	1.7
Holding companies	1.609	1.599	1.601	1.411	1.4
Office administrative services	1.551	1.504	1.507	1.449	1.5
Facilities and other support services	1.488	1.460	1.462	1.853	1.9
Employment services	1.562	1.525	1.527	1.433	1.5
Business support services	1.519	1.465	1.467	1.393	1.4
Travel arrangement and reservation services	1.647	1.739	1.741	1.675	1.8
Investigation and security services	1.398	1.328	1.330	1.250	1.1
Services to buildings and dwellings	1.561	1.605	1.598	1.516	1.3
Waste management and remediation services	1.608	1.652	1.651	1.906	1.9
Educational services	1.660	1.712	1.706	1.468	1.3
Offices of physicians	1.339	1.243	1.242	1.319	1.4
Offices of dentists	1.470	1.454	1.448	1.466	1.4
Miscellaneous ambulatory health care services	1.367	1.262	1.262	1.185	1.1
Nursing and residential care facilities	1.414	1.318	1.316	1.250	1.2
Social assistance	1.623	1.691	1.674	1.464	1.2
Performing arts, spectator sports and related industries, and heritage institutions	1.569	1.584	1.608	1.499	1.4

Industry Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Amusement and recreation industries	1.578	1.689	1.675	1.548	1.3
Gambling industries	1.503	1.806	1.779	1.691	1.5
Traveller accommodation	1.401	1.349	1.345	1.388	1.2
Recreational vehicle (RV) parks, recreational camps, and rooming and boarding houses	1.446	1.460	1.441	1.588	1.4
Food services and drinking places	1.588	1.636	1.629	1.469	1.2
Automotive repair and maintenance	1.522	1.564	1.561	1.449	1.4
Repair and maintenance (except automotive)	1.496	1.454	1.451	1.433	1.3
Personal care services and other personal services	1.566	1.569	1.568	1.426	1.2
Funeral services	1.400	1.354	1.354	1.503	1.4
Dry cleaning and laundry services	1.522	1.519	1.515	1.461	1.2
Business, professional and other membership organizations	1.646	1.651	1.702	1.425	1.5
Private households	1.270	1.164	1.165	1.117	1.0
Repair and maintenance	NA	NA	NA	NA	NA
Operating supplies	NA	NA	NA	NA	NA
Office supplies	NA	NA	NA	NA	NA
Advertising, promotion, meals and entertainment	NA	NA	NA	NA	NA
Travel, meetings and conventions	NA	NA	NA	NA	NA
Transportation margins	NA	NA	NA	NA	NA
Educational services	1.406	1.333	1.327	1.229	1.1
Ambulatory health care services	1.620	1.686	1.682	1.466	1.5
Social assistance	1.426	1.326	1.326	1.218	1.2
Arts, entertainment and recreation	1.540	1.611	1.597	1.415	1.2
Religious organizations	1.570	1.605	1.599	1.407	1.3
Grant-making, civic, and professional and similar organizations	1.690	1.902	1.880	1.591	1.5
Other non-profit institutions serving households	1.702	2.004	1.967	1.719	1.3
Elementary and secondary schools	1.376	1.277	1.276	1.209	1.2
Community colleges and C.E.G.E.P.s	1.443	1.336	1.335	1.272	1.3
Universities	1.339	1.239	1.239	1.268	1.3
Other educational services	1.532	1.439	1.438	1.383	2.3
Hospitals	1.456	1.427	1.429	1.351	1.4
Nursing and residential care facilities	1.503	1.390	1.391	1.294	1.4
Defence services	1.514	1.438	1.440	1.348	1.5
Other federal government services (except defence)	1.617	1.596	1.599	1.463	1.7
Other provincial and territorial government services	1.879	2.808	2.819	2.723	3.4
Other municipal government services	1.436	1.338	1.339	1.391	1.5
Other aboriginal government services	1.812	2.189	2.190	2.013	1.8

**Table 7: Alberta Simple Multipliers (Commodities)
Open Model – Direct and Indirect Impacts**

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Canola (including rapeseed)	1.518	0.683	0.688	0.368	3.3
Oilseeds (except canola)	1.529	0.679	0.684	0.364	3.2
Wheat	1.518	0.683	0.688	0.368	3.3
Grains (except wheat)	1.518	0.683	0.688	0.368	3.3
Fresh potatoes	1.518	0.683	0.688	0.368	3.3
Fresh fruit and nuts	1.518	0.683	0.688	0.368	3.3
Other miscellaneous crop products	1.518	0.683	0.688	0.368	3.3
Fresh vegetables (except potatoes)	1.504	0.685	0.691	0.393	5.7
Imputed feed (animal feed produced for own consumption)	1.518	0.683	0.688	0.368	3.3
Floriculture and nursery products (except cannabis), and sod	1.448	0.695	0.705	0.518	17.8
Cannabis plants, seeds and flowering tops	1.389	0.787	0.808	0.428	18.6
Cattle and calves	2.360	0.545	0.546	0.367	7.7
Unprocessed milk	2.360	0.545	0.546	0.367	7.7
Hogs	2.360	0.545	0.546	0.367	7.7
Eggs in shell	2.360	0.545	0.546	0.367	7.7
Poultry	2.360	0.545	0.546	0.367	7.7
Other live animals	2.360	0.545	0.546	0.367	7.7
Raw furskins, and animal products n.e.c.	2.270	0.570	0.571	0.394	7.9
Imputed fertilizer (fertilizer produced for own consumption)	2.360	0.545	0.546	0.367	7.7
Logs and bolts	1.745	0.707	0.729	0.445	5.5
Pulpwood	1.736	0.705	0.728	0.445	5.5
Fuel wood	1.727	0.705	0.725	0.436	5.2
Rough untreated poles, posts and piling	1.865	0.724	0.740	0.444	4.9
Fish, crustaceans, shellfish and other fishery products	1.513	0.524	0.534	0.368	10.4
Custom work services for forestry	1.736	0.705	0.728	0.445	5.5
Support services for crop production	1.459	0.731	0.727	0.433	4.7
Support services for animal production, hunting and fishing	2.193	0.597	0.593	0.411	7.8
Support services for forestry	1.520	0.699	0.717	0.471	5.8
Conventional crude oil	1.498	0.704	0.714	0.414	3.2
Synthetic crude oil	1.285	0.796	0.801	0.184	1.4
Natural gas	1.498	0.704	0.714	0.414	3.2
Natural gas liquids and related products	1.555	0.707	0.717	0.380	3.0
Crude and diluted bitumen	1.285	0.796	0.801	0.184	1.4
Coal	1.681	0.696	0.710	0.441	4.0
Iron ores and concentrates	NA	NA	NA	NA	NA
Gold and silver ores and concentrates	1.316	0.719	0.738	0.259	7.1
Copper ores and concentrates	NA	NA	NA	NA	NA
Nickel ores and concentrates	NA	NA	NA	NA	NA
Lead and zinc ores and concentrates	NA	NA	NA	NA	NA
Radioactive ores and concentrates	NA	NA	NA	NA	NA
Other metal ores and concentrates	NA	NA	NA	NA	NA
Stone	1.334	0.792	0.802	0.447	3.9
Sand, gravel, clay, and refractory minerals	1.445	0.785	0.801	0.369	3.3
Uncut and industrial diamonds	NA	NA	NA	NA	NA
Potash	NA	NA	NA	NA	NA
Non-metallic minerals (except diamonds)	1.394	0.747	0.755	0.320	3.3
Support services for oil and gas extraction (except exploration)	1.196	0.835	0.838	0.505	5.0
Support services for mining and quarrying (except exploration)	1.329	0.797	0.803	0.550	4.1
Oil and gas and mineral exploration	1.442	0.729	0.737	0.396	3.0
Electricity	1.448	0.809	0.816	0.452	3.4
Natural gas distribution	1.207	0.900	0.902	0.260	2.6

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Water delivered by water works and irrigation systems	1.353	0.831	0.845	0.458	4.2
Sewage and dirty water disposal and cleaning services	1.268	0.874	0.878	0.508	4.5
Steam and heated or cooled air or water	1.517	0.766	0.788	0.400	3.4
Residential buildings	1.445	0.670	0.674	0.456	5.8
Industrial buildings (except mine buildings)	1.420	0.598	0.602	0.422	4.4
Office buildings	1.420	0.598	0.602	0.422	4.4
Shopping centres, plazas, malls and stores	1.420	0.598	0.602	0.422	4.4
Other commercial buildings	1.420	0.598	0.602	0.422	4.4
Schools, colleges, universities and other educational buildings	1.420	0.598	0.602	0.422	4.4
Health care buildings, nursing homes and senior citizen homes	1.420	0.598	0.602	0.422	4.4
Other institutional buildings	1.420	0.598	0.602	0.422	4.4
Highways, roads, streets, bridges and tunnels	1.652	0.604	0.611	0.396	5.1
Other land transportation civil engineering works	1.652	0.604	0.611	0.396	5.1
Oil and gas extraction sites and structures	1.437	0.682	0.685	0.524	5.3
Other oil and gas engineering works	1.437	0.682	0.685	0.524	5.3
Electric power engineering works	1.312	0.739	0.744	0.361	4.3
Communications networks	1.313	0.459	0.464	0.296	3.7
Marine engineering works	1.492	0.637	0.644	0.446	5.9
Waterworks engineering works	1.492	0.637	0.644	0.446	5.9
Sewage engineering works	1.492	0.637	0.644	0.446	5.9
Mining engineering works	1.492	0.637	0.644	0.446	5.9
Other civil engineering works	1.492	0.637	0.644	0.446	5.9
Repair construction services	1.481	0.660	0.666	0.518	6.4
Dog and cat food	1.646	0.470	0.476	0.251	3.6
Other animal feed	1.646	0.470	0.476	0.251	3.6
Flour and other grain mill products	1.859	0.549	0.554	0.250	2.5
Margarine and cooking oils	1.868	0.552	0.557	0.250	2.4
Breakfast cereal and other cereal products	1.867	0.552	0.557	0.250	2.4
Grain and oilseed products, n.e.c.	1.867	0.554	0.559	0.250	2.4
Sugar and sugar mill by-products	1.295	0.413	0.418	0.305	4.1
Chocolate (except confectionery)	1.295	0.413	0.418	0.305	4.1
Confectionery products	1.295	0.413	0.418	0.305	4.1
Fresh, frozen and canned fruit and vegetable juices	1.579	0.590	0.596	0.331	4.0
Preserved fruit and vegetables and frozen foods	1.562	0.594	0.600	0.328	4.1
Processed fluid milk and milk products	2.217	0.597	0.602	0.334	4.9
Cheese and cheese products	2.217	0.597	0.602	0.334	4.9
Butter and dry and canned dairy products	2.214	0.597	0.601	0.333	4.8
Ice cream, sherbet and similar frozen desserts	2.217	0.597	0.602	0.334	4.9
Fresh and frozen beef and veal	2.239	0.515	0.517	0.308	5.3
Fresh and frozen pork	2.239	0.515	0.517	0.308	5.3
Fresh and frozen poultry of all types	2.239	0.515	0.517	0.308	5.3
Processed meat products, other miscellaneous meats and animal by-products	2.191	0.516	0.519	0.307	5.2
Prepared and packaged seafood products	1.238	0.603	0.605	0.276	1.7
Bread, rolls and flatbreads	1.358	0.583	0.589	0.356	5.7
Cookies, crackers and baked sweet goods	1.363	0.583	0.589	0.355	5.7
Flour mixes, dough and dry pasta	1.372	0.615	0.620	0.337	5.4
Snack food products	1.362	0.668	0.673	0.313	5.1
Coffee and tea	1.361	0.658	0.664	0.318	5.2
Flavouring syrups, seasonings and dressings	1.410	0.610	0.616	0.324	5.0
Other food products, n.e.c.	1.431	0.626	0.631	0.319	4.8
Carbonated and non-carbonated drinks, bottled water and ice	1.466	0.506	0.513	0.342	5.0
Beer	1.287	0.696	0.695	0.223	2.9
Wine and brandy	1.287	0.696	0.695	0.223	2.9
Distilled liquor	1.313	0.726	0.738	0.256	3.5
Stemmed, redried or reconstituted tobacco	1.463	0.661	0.668	0.459	1.1
Cigarettes, cigars, chewing and smoking tobacco	1.463	0.661	0.668	0.459	1.1
Cannabis products (except seeds, plants, and plant parts)	NA	NA	NA	NA	NA

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Fibre, yarn and thread	1.275	0.513	0.519	0.447	7.6
Fabrics	1.275	0.513	0.519	0.447	7.6
Carpets, rugs and mats	1.275	0.513	0.519	0.447	7.6
Other textile furnishings	1.265	0.533	0.538	0.427	7.6
Textile products, n.e.c.	1.289	0.535	0.540	0.446	7.3
Fabric weaving and finishing services	1.275	0.513	0.519	0.447	7.6
Men's, women's, boys' and girls' clothing	1.356	0.586	0.594	0.525	9.3
Infant clothing	NA	NA	NA	NA	NA
Clothing accessories	1.356	0.586	0.594	0.525	9.3
Leather and dressed furs	1.356	0.586	0.594	0.525	9.3
Footwear	1.356	0.586	0.594	0.525	9.3
Suitcases, handbags and other leather and allied products	1.356	0.586	0.594	0.525	9.3
Hardwood lumber	NA	NA	NA	NA	NA
Softwood lumber	1.906	0.730	0.744	0.444	4.7
Wood chips	1.896	0.728	0.741	0.441	4.6
Other sawmill products and treated wood products	1.906	0.730	0.744	0.444	4.7
Veneer and plywood	1.626	0.666	0.674	0.364	3.8
Wood trusses and engineered wood members	1.627	0.665	0.673	0.368	3.9
Reconstituted wood products	1.627	0.665	0.673	0.370	4.0
Wood windows and doors	1.493	0.578	0.585	0.418	5.7
Wood containers and pallets	1.640	0.643	0.651	0.485	7.1
Prefabricated wood and manufactured (mobile) buildings and components	1.633	0.640	0.648	0.482	7.0
Wood products, n.e.c.	1.637	0.646	0.654	0.480	6.9
Waste and scrap of wood and wood by-products	1.892	0.726	0.739	0.444	4.8
Wood pulp	1.693	0.615	0.623	0.327	2.8
Paper (except newsprint)	1.715	0.597	0.607	0.351	3.6
Newsprint	1.693	0.615	0.623	0.327	2.8
Paperboard	NA	NA	NA	NA	NA
Paperboard containers	1.278	0.453	0.458	0.300	3.4
Paper office supplies	1.319	0.628	0.633	0.425	5.8
Disposable diapers and feminine hygiene products	NA	NA	NA	NA	NA
Sanitary paper products	NA	NA	NA	NA	NA
Other converted paper products	1.278	0.453	0.458	0.300	3.4
Waste and scrap of paper and paperboard	1.278	0.453	0.458	0.300	3.4
Printed products	1.327	0.657	0.662	0.446	6.2
Printing support services	1.328	0.655	0.660	0.445	6.2
Contract printing services for publishers	1.392	0.701	0.705	0.477	7.3
Motor gasoline	1.865	0.713	0.719	0.192	1.5
Diesel and biodiesel fuels	1.865	0.713	0.719	0.192	1.5
Light fuel oils	1.865	0.713	0.719	0.192	1.5
Aviation fuel	1.863	0.713	0.719	0.193	1.5
Heavy fuel oils	1.865	0.713	0.719	0.192	1.5
Lubricants and other petroleum refinery products	1.845	0.709	0.715	0.196	1.5
Asphalt (except natural) and asphalt products	1.797	0.660	0.668	0.264	2.5
Coke and other coke oven products	1.408	0.740	0.746	0.232	2.0
Solid fuel products, n.e.c.	1.886	0.723	0.736	0.447	4.9
Petrochemicals	1.796	0.716	0.728	0.239	1.9
Industrial gases	1.791	0.716	0.729	0.242	1.9
Dyes and pigments	NA	NA	NA	NA	NA
Other basic inorganic chemicals and nuclear fuel	1.760	0.690	0.703	0.238	1.9
Basic organic chemicals, n.e.c.	1.784	0.715	0.728	0.240	1.9
Plastic resins	1.731	0.738	0.744	0.204	1.4
Rubber and rubber compounds and mixtures	1.204	0.514	0.460	0.246	2.4
Artificial and synthetic fibres and filaments	NA	NA	NA	NA	NA
Ammonia and chemical fertilizers	1.574	0.647	0.662	0.308	3.0
Pesticides and other agricultural chemicals	1.575	0.648	0.663	0.308	3.0
Pharmaceutical and medicinal products	1.344	0.613	0.616	0.441	4.5
Paints, coatings and adhesive products	1.348	0.645	0.616	0.332	4.4
Soaps and cleaning compounds	1.368	0.527	0.532	0.358	4.1
Perfumes and toiletries	1.364	0.539	0.545	0.365	4.3
Chemical products, n.e.c.	1.413	0.415	0.417	0.297	2.5
Plastic bags	1.530	0.576	0.583	0.409	5.2
Plastic films and non-rigid sheets	1.530	0.576	0.583	0.409	5.2

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Plastic and foam building and construction materials	1.528	0.577	0.583	0.410	5.2
Plastic profile shapes	1.530	0.576	0.583	0.409	5.2
Foam products (except for construction)	1.530	0.576	0.583	0.409	5.2
Plastic bottles	1.530	0.576	0.583	0.409	5.2
Motor vehicle plastic parts	1.530	0.576	0.583	0.409	5.2
Plastic products, n.e.c.	1.523	0.574	0.580	0.407	5.2
Tires	1.204	0.514	0.460	0.246	2.4
Rubber and plastic hoses and belts	1.207	0.516	0.464	0.251	2.4
Rubber products, n.e.c.	1.216	0.520	0.471	0.258	2.6
Waste and scrap of plastic and rubber	1.530	0.576	0.583	0.409	5.2
Cement	1.593	0.697	0.708	0.341	3.8
Ready-mixed concrete	1.592	0.696	0.708	0.342	3.8
Concrete products	1.594	0.697	0.708	0.341	3.7
Clay and ceramic products and refractories	1.470	0.671	0.678	0.389	5.2
Glass (including automotive), glass products and glass containers	1.466	0.667	0.674	0.393	5.2
Waste and scrap of glass	NA	NA	NA	NA	NA
Lime and gypsum products	1.470	0.671	0.678	0.389	5.2
Non-metallic mineral products, n.e.c.	1.469	0.670	0.678	0.389	5.2
Iron and steel basic shapes and ferro-alloy products	1.497	0.635	0.643	0.375	3.5
Iron and steel pipes and tubes (except castings)	1.481	0.455	0.462	0.350	3.2
Cold-rolled iron or steel products	1.443	0.483	0.490	0.406	3.8
Bauxite and aluminum oxide	NA	NA	NA	NA	NA
Unwrought aluminum including alloys	1.153	0.380	0.383	0.170	2.4
Basic and semi-finished products of aluminum and alloys	1.153	0.380	0.383	0.170	2.4
Unwrought copper including alloys	NA	NA	NA	NA	NA
Unwrought nickel including alloys	1.229	0.169	0.172	0.109	0.9
Unwrought precious metals including alloys	NA	NA	NA	NA	NA
Other unwrought non-ferrous metals including alloys	1.229	0.169	0.172	0.109	0.9
Gold, store of value	NA	NA	NA	NA	NA
Basic and semi-finished products of non-ferrous metals and alloys (except aluminum)	1.229	0.169	0.172	0.109	0.9
Ferrous metal castings	1.347	0.661	0.666	0.533	6.5
Non-ferrous metal castings	NA	NA	NA	NA	NA
Waste and scrap of iron and steel	1.487	0.452	0.459	0.350	3.2
Waste and scrap of non-ferrous metals	1.153	0.380	0.383	0.170	2.4
Forged and stamped metal products	1.316	0.645	0.650	0.469	5.2
Prefabricated metal buildings and other non-wood buildings, and components	1.429	0.569	0.573	0.415	4.8
Fabricated steel plate and other fabricated structural metal	1.419	0.571	0.575	0.414	4.8
Metal windows and doors	1.444	0.571	0.576	0.415	4.9
Other architectural metal products	1.400	0.572	0.576	0.407	4.7
Light gauge metal containers, crowns and closures	1.319	0.553	0.557	0.373	3.8
Boilers, tanks and heavy gauge metal containers	1.328	0.560	0.563	0.380	4.0
Builders, motor vehicle and other hardware	1.421	0.575	0.579	0.420	4.9
Springs and wire products	1.314	0.542	0.546	0.502	4.7
Threaded metal fasteners and other turned metal products including automotive	1.353	0.649	0.653	0.503	6.1
Coating, engraving, heat treating and similar metal processing services	1.322	0.657	0.663	0.495	5.5
Hand tools, kitchen utensils and cutlery (except precious metal)	1.326	0.620	0.624	0.448	5.1
Metal valves and pipe fittings	1.294	0.578	0.581	0.389	4.2
Ball and roller bearings	1.300	0.590	0.594	0.394	4.1
Guns, ammunition and other munitions	1.300	0.590	0.594	0.394	4.1
Fabricated metal products, n.e.c.	1.360	0.610	0.614	0.449	5.3
Agricultural, lawn and garden machinery and equipment	1.201	0.498	0.501	0.321	3.6
Logging, mining and construction machinery and equipment	1.200	0.504	0.507	0.324	3.5

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Other industry-specific machinery	1.144	0.463	0.466	0.317	3.7
Commercial and service industry machinery	1.211	0.518	0.521	0.289	3.2
Industrial and commercial fans, blowers and air purification equipment	1.207	0.639	0.640	0.367	4.4
Heating and cooling equipment (except household refrigerators and freezers)	1.210	0.637	0.638	0.367	4.4
Metalworking machinery and industrial moulds	1.319	0.635	0.639	0.450	5.0
Turbines, turbine generators, and turbine generator sets (except aircraft turbines)	NA	NA	NA	NA	NA
Other engine and power transmission equipment	1.228	0.523	0.525	0.205	1.8
Pumps and compressors (except fluid power)	1.228	0.546	0.549	0.332	3.1
Material handling equipment	1.234	0.540	0.543	0.333	3.2
Other miscellaneous general-purpose machinery	1.283	0.601	0.605	0.405	4.4
Computers, computer peripherals and parts	1.260	0.574	0.576	0.502	3.8
Telephone apparatus	1.204	0.548	0.551	0.391	4.9
Other communications equipment	1.182	0.548	0.550	0.324	3.8
Audio and video equipment and unrecorded media	1.169	0.544	0.544	0.266	2.9
Navigational and guidance instruments	1.158	0.547	0.549	0.246	2.4
Medical devices	1.187	0.560	0.562	0.281	3.1
Measuring, control and scientific instruments	1.181	0.547	0.548	0.271	2.8
Printed and integrated circuits, semiconductors and printed circuit assemblies	1.243	0.521	0.512	0.396	6.2
Other electronic components	1.220	0.453	0.447	0.401	5.4
Electric light bulbs and tubes	1.216	0.506	0.518	0.265	2.5
Lighting fixtures	1.233	0.535	0.545	0.274	2.9
Small electric appliances	1.188	0.580	0.586	0.400	6.5
Major appliances	NA	NA	NA	NA	NA
Power, distribution and other transformers	1.153	0.388	0.390	0.336	2.8
Electric motors and generators	1.153	0.388	0.390	0.336	2.8
Switchgear, switchboards, relays and industrial control apparatus	1.160	0.407	0.409	0.331	2.8
Batteries and battery chargers	1.287	0.627	0.632	0.304	4.2
Communication and electric wire and cable	1.277	0.621	0.626	0.299	4.1
Wiring devices	1.276	0.609	0.613	0.306	4.1
Other electrical equipment and components	1.214	0.497	0.500	0.322	3.4
Passenger cars	NA	NA	NA	NA	NA
Light-duty trucks, vans and sport utility vehicles (SUVs)	NA	NA	NA	NA	NA
Medium and heavy-duty trucks	1.278	0.604	0.607	0.283	7.6
Buses	NA	NA	NA	NA	NA
Motor vehicle bodies and special purpose motor vehicles	1.198	0.416	0.420	0.313	3.6
Freight and utility trailers	1.196	0.413	0.417	0.312	3.6
Motor homes, travel trailers and camping trailers	1.196	0.413	0.417	0.312	3.6
Motor vehicle gasoline engines and engine parts	1.377	0.469	0.469	0.375	5.4
Motor vehicle electrical and electronic equipment	1.185	0.588	0.591	0.256	2.8
Motor vehicle steering and suspension components	1.192	0.380	0.383	0.266	3.3
Motor vehicle brakes and brake systems	1.309	0.448	0.453	0.268	4.8
Motor vehicle transmission and drive train components	1.144	0.344	0.347	0.240	3.2
Motor vehicle interior trim, seats and seat parts	1.143	0.683	0.690	0.481	8.5
Motor vehicle metal stampings	1.282	0.656	0.660	0.494	6.0
Other miscellaneous motor vehicle parts	1.266	0.637	0.640	0.570	5.7
Aircraft	1.230	0.541	0.542	0.408	3.4
Aircraft engines	1.230	0.541	0.542	0.408	3.4
Aircraft parts and other aerospace equipment	1.230	0.541	0.542	0.408	3.4
Locomotives, railway rolling stock, and rapid transit equipment	NA	NA	NA	NA	NA
Parts of railway rolling stock	NA	NA	NA	NA	NA
Ships	NA	NA	NA	NA	NA
Boats and personal watercraft	1.240	0.627	0.632	0.427	6.9
Other transportation equipment and related parts	NA	NA	NA	NA	NA
Wood cabinets and counter tops	1.309	0.563	0.568	0.424	7.6
Household furniture	1.258	0.548	0.553	0.413	7.7

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Institutional and other furniture, n.e.c.	1.270	0.621	0.625	0.458	7.0
Office furniture	1.280	0.615	0.620	0.449	7.0
Office and store fixtures	1.288	0.615	0.620	0.452	6.8
Mattresses and foundations	1.137	0.356	0.361	0.200	2.7
Blinds, shades, and curtain fixtures	1.133	0.349	0.354	0.193	2.5
Medical, dental and personal safety supplies, instruments and equipment	1.363	0.638	0.642	0.491	7.6
Jewellery and silverware	1.366	0.610	0.615	0.418	5.9
Sporting and athletic goods	1.366	0.610	0.615	0.418	5.9
Toys and games	1.366	0.610	0.615	0.418	5.9
Office supplies (except paper)	1.329	0.668	0.674	0.442	5.9
Signs	1.363	0.614	0.620	0.420	6.0
Other miscellaneous manufactured products	1.375	0.640	0.642	0.443	6.5
Custom manufacturing services (except printing, finishing of textiles and metals)	1.375	0.623	0.628	0.427	5.2
Wholesale margins - farm products	1.407	0.790	0.798	0.439	5.0
Wholesale margins - petroleum and petroleum products	1.411	0.776	0.787	0.315	3.0
Wholesale margins - food, beverages and tobacco products	1.405	0.772	0.778	0.458	6.5
Wholesale margins - personal and household goods	1.335	0.821	0.826	0.582	6.4
Wholesale margins - motor vehicles, motor vehicle parts and accessories	1.301	0.806	0.810	0.593	6.2
Wholesale margins - building materials and supplies	1.311	0.831	0.836	0.551	6.4
Wholesale margins - machinery, equipment and supplies	1.266	0.841	0.844	0.575	5.7
Wholesale margins - miscellaneous products	1.363	0.795	0.800	0.474	5.0
Wholesale trade commissions	1.383	0.793	0.799	0.513	6.7
Retail margins - motor vehicles and parts	1.326	0.822	0.829	0.599	8.2
Retail margins - furniture and home furnishings	1.485	0.790	0.797	0.529	8.9
Retail margins - electronics and appliances	1.377	0.815	0.820	0.522	7.9
Retail margins - building materials, garden equipment and supplies	1.389	0.822	0.828	0.507	8.8
Retail margins - food and beverages	1.349	0.853	0.858	0.594	10.2
Retail margins - health and personal care products	1.405	0.829	0.835	0.559	8.8
Retail margins - automotive fuels	1.342	0.841	0.846	0.405	6.5
Retail margins - clothing and clothing accessories	1.477	0.832	0.837	0.521	9.9
Retail margins - sporting and leisure products	1.417	0.836	0.841	0.630	11.3
Retail margins - miscellaneous products (except cannabis)	1.413	0.830	0.836	0.548	9.9
Retail margins - cannabis products (licensed)	1.531	0.809	0.817	0.626	12.4
Retail margins - cannabis products (unlicensed)	1.271	0.970	0.974	0.879	11.1
Retail margins - household fuels	1.404	0.808	0.813	0.640	7.8
Used motor vehicles	NA	NA	NA	NA	NA
Other used consumer goods	NA	NA	NA	NA	NA
Retail trade commissions	1.365	0.814	0.820	0.531	9.0
Air passenger transportation services	1.598	0.666	0.674	0.364	4.9
Air freight transportation services	1.598	0.666	0.674	0.364	4.9
Air specialty services	1.567	0.679	0.690	0.402	5.5
Rail passenger transportation services	1.381	0.829	0.850	0.316	2.7
Rail freight transportation services	1.381	0.829	0.850	0.316	2.7
Water passenger transportation services	1.241	0.688	0.698	0.539	16.8
Water freight transportation services	1.310	0.752	0.759	0.604	11.7
Moving services	1.715	0.670	0.704	0.450	5.4
Road transportation services for general freight	1.706	0.674	0.707	0.452	5.4
Road transportation services for specialized freight	1.716	0.671	0.704	0.450	5.4
Urban transit services	1.630	2.188	0.727	1.880	17.5
Interurban and rural bus passenger transportation services	1.293	0.825	0.831	0.613	11.4
School bus services	1.285	0.842	0.846	0.581	9.2
Other transit and passenger transportation services by road	1.296	0.847	0.832	0.626	11.2
Scenic and sightseeing tour services	1.289	0.812	0.832	0.600	11.4

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Taxi and limousine services	1.547	0.700	0.728	0.527	14.0
Transportation of natural gas by pipeline	1.086	0.942	0.943	0.195	1.6
Transportation of crude oil and other commodities by pipeline	1.335	0.826	0.831	0.271	2.2
Air transportation support services	1.551	0.690	0.699	0.402	5.2
Aircraft maintenance and repair services	1.492	0.665	0.672	0.405	4.9
Rail transportation support, maintenance and repair services	1.534	0.701	0.710	0.407	5.2
Water transportation support, maintenance and repair services	1.486	0.733	0.741	0.480	5.4
Road transportation support services	1.490	0.731	0.739	0.432	5.1
Freight transportation arrangement and customs brokering services	1.541	0.698	0.708	0.414	5.4
Other transportation support services	1.541	0.695	0.705	0.411	5.3
Postal services	1.266	0.878	0.888	0.885	9.8
Courier, parcel, and local messenger and delivery services	1.545	0.772	0.789	0.487	7.9
Grain storage	1.220	0.864	0.867	0.516	8.7
Warehousing and storage services (except grain storage)	1.423	0.784	0.800	0.491	7.4
Newspapers	1.477	0.756	0.761	0.501	7.3
Advertising space in printed newspapers	1.477	0.756	0.761	0.501	7.3
Periodicals	1.378	0.786	0.790	0.435	5.2
Books	1.311	0.828	0.832	0.454	4.5
Other published products	1.353	0.755	0.759	0.425	5.0
Advertising space in printed periodicals and in other printed publications	1.359	0.788	0.793	0.413	4.7
Licensing of rights for commercial use of literary works (except software) and artistic works	1.514	0.756	0.760	0.538	4.8
General purpose software	1.248	0.791	0.789	0.527	4.4
Recorded movies, television programs and videos	NA	NA	NA	NA	NA
Movie, television program and video production, post-production and editing services	1.506	0.676	0.566	0.615	9.0
Licensing of rights for commercial use of dramatic works, and other copyrighted property n.e.c.	1.504	0.677	0.567	0.612	8.9
Admissions to motion picture film exhibitions	1.312	0.666	0.664	0.302	5.7
Recorded music and other sound recordings	1.277	0.595	0.602	0.429	12.7
Audio recording services and copyright administration	1.290	0.611	0.616	0.461	11.9
Licensing of rights for commercial use of musical works and sound recordings	1.290	0.577	0.584	0.458	14.0
Advertising air time on radio	1.284	0.694	0.691	0.453	6.3
Advertising air time on television	1.285	0.687	0.684	0.450	6.1
Fees for the distribution of television and radio program channels (affiliation payments)	1.290	0.438	0.428	0.212	3.7
Fixed telecommunications services (except Internet access)	1.175	0.744	0.745	0.187	1.8
Mobile telecommunications services	1.175	0.744	0.745	0.187	1.8
Broadcasting and online games distribution services	1.175	0.744	0.745	0.187	1.8
Fixed Internet access services	1.175	0.744	0.745	0.187	1.8
Data processing, hosting, and related services (except software as a service, on cloud)	1.290	0.792	0.794	0.466	4.8
Subscriptions for online content	NA	NA	NA	NA	NA
Internet advertising	1.473	0.762	0.766	0.504	4.8
Other information services	1.695	0.790	0.794	0.506	5.0
Central banking services	1.284	0.764	0.780	0.569	1.7
Local credit union services - explicit charges (fees)	1.421	0.774	0.789	0.653	7.0
Banking and other depository credit intermediation services - explicit charges	1.215	0.871	0.878	0.454	4.0
Non-depository credit intermediation services - explicit charges (fees)	1.356	0.805	0.817	0.431	4.3
Other services related to credit intermediation	1.499	0.708	0.734	0.476	6.6
Investment banking services	1.410	0.822	0.836	0.480	4.3
Security brokerage and securities dealing services	1.513	0.796	0.814	0.494	4.5

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Portfolio management services	1.550	0.794	0.810	0.495	4.6
Investment counselling services	1.533	0.793	0.812	0.494	4.5
Holding company services and other financial investment and related activities	1.540	0.771	0.785	0.629	6.3
Life insurance services	1.653	0.803	0.818	0.467	5.4
Health and accident insurance services	1.653	0.803	0.818	0.467	5.4
Vehicle insurance services	1.653	0.803	0.818	0.467	5.4
Property insurance services	1.653	0.803	0.818	0.467	5.4
Liability and other property and casualty insurance services	1.652	0.803	0.818	0.468	5.4
Insurance brokerage and other services related to insurance	1.322	0.853	0.868	0.685	8.2
Trusteed pension fund services	1.814	0.720	0.750	0.534	4.9
Mutual funds (cost of service) and other similar services	1.814	0.720	0.750	0.534	4.9
Deposit intermediation services indirectly measured (FISIM)	1.230	0.863	0.871	0.469	4.2
Residential mortgage intermediation services indirectly measured (FISIM)	1.235	0.861	0.869	0.469	4.3
Other loan intermediation services indirectly measured (FISIM)	1.284	0.838	0.848	0.450	4.2
Rental of residential real estate	1.360	0.871	0.880	0.401	2.7
Rental of non-residential real estate	1.363	0.849	0.858	0.413	3.2
Imputed rental of owner-occupied dwellings	1.134	0.958	0.961	0.810	0.5
Real estate brokerage and other services related to real estate	1.467	0.794	0.806	0.495	6.8
Rental and operating leasing services of motor vehicles	1.439	0.788	0.803	0.367	4.3
Computer equipment rental and leasing services	NA	NA	NA	NA	NA
Office machinery and equipment (except computer equipment) rental and leasing services	NA	NA	NA	NA	NA
Rental and operating leasing services of commercial and industrial machinery and equipment	1.380	0.770	0.784	0.416	4.7
Rental and operating leasing services of other goods	1.372	0.773	0.786	0.414	5.7
Licensing of rights for commercial use of non-financial intangible assets (except software and other copyright licensing)	1.441	0.753	0.759	0.408	5.2
Legal services	1.255	0.896	0.899	0.707	5.9
Accounting, tax preparation, bookkeeping and payroll services	1.324	0.848	0.851	0.653	7.4
Architectural, engineering and related services	1.332	0.777	0.781	0.591	6.2
Specialized design services	1.440	0.783	0.789	0.543	8.9
Custom software design and development services	1.281	0.785	0.783	0.470	5.3
Own-account software design and development services	1.378	0.810	0.817	0.511	5.4
Computer systems design and related services (except software development)	1.280	0.785	0.784	0.472	5.3
Management, scientific and technical consulting services	1.357	0.816	0.818	0.563	6.4
Research and development services	1.285	0.933	0.852	0.448	4.7
Own-account research and development (except software development)	1.291	0.828	0.832	0.462	4.7
Advertising, public relations, and related services	1.453	0.796	0.764	0.541	6.9
Photographic services	1.501	0.755	0.761	0.553	7.8
Veterinary services	1.533	0.748	0.753	0.535	6.4
Other professional, scientific and technical services	1.513	0.756	0.761	0.538	6.5
Holding company services (imputed)	1.348	0.803	0.807	0.711	7.5
Head office services (imputed)	1.429	0.753	0.761	0.396	3.8
Office administrative services	1.358	0.811	0.816	0.552	5.9
Employment services	1.358	0.827	0.831	0.619	6.4
Business support services	1.352	0.794	0.802	0.540	6.7

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Travel arrangement, reservation and planning services	1.468	0.765	0.770	0.509	5.2
Investigation and security services	1.230	0.844	0.848	0.680	13.3
Services to buildings and dwellings	1.417	0.750	0.762	0.523	8.6
Facilities and other support services	1.374	0.825	0.830	0.345	3.9
Waste management and remediation services	1.453	0.778	0.787	0.403	4.7
Tuition and similar fees for elementary and secondary schools	1.191	0.895	0.900	0.785	11.6
Tuition and similar fees for colleges and C.E.G.E.P.s	1.233	0.904	0.911	0.721	7.7
Tuition and similar fees for universities	1.184	0.898	0.905	0.535	5.7
Tuition and similar fees for trade, technical and professional training	1.412	0.822	0.832	0.654	11.4
Other educational training and services	1.480	0.817	0.829	0.660	12.1
Physician services	1.156	0.909	0.916	0.468	4.6
Dental services	1.317	0.791	0.805	0.472	5.5
Other health practitioner services	1.148	0.906	0.911	0.824	12.0
Medical laboratory diagnostic and testing services	1.148	0.906	0.911	0.824	12.0
Ambulance services	1.161	0.899	0.904	0.815	11.7
Hospital services	1.256	0.842	0.844	0.747	7.9
Nursing and residential care services	1.224	0.864	0.873	0.751	11.3
Child day-care services	1.409	0.805	0.822	0.665	12.9
Other ambulatory health care services and social assistance services	1.359	0.828	0.838	0.707	10.8
Admissions to live sporting events	1.408	0.802	0.789	0.577	9.4
Admissions to live performing arts performances	1.396	0.796	0.790	0.577	9.3
Sport and performing arts event organization services	1.334	0.823	0.825	0.556	7.7
Career management and representation services of public figures	1.430	0.798	0.778	0.585	9.9
Contract production of live performing arts performances, live sporting events and copyrighted works	1.407	0.803	0.785	0.574	9.4
Sporting event media rights	1.403	0.810	0.794	0.571	9.0
Heritage institution services	1.373	0.809	0.815	0.562	7.6
Amusement and recreational services	1.395	0.767	0.781	0.527	9.7
Gambling (net wagers)	1.449	0.668	0.686	0.507	8.6
Room or unit accommodation services for travellers	1.286	0.769	0.783	0.454	8.1
Recreational vehicle park and recreational camp services	1.371	0.705	0.731	0.386	6.3
Rooming and boarding services	1.323	0.746	0.766	0.449	7.4
Prepared meals	1.438	0.680	0.691	0.504	11.5
Alcoholic beverages for immediate consumption	1.431	0.686	0.697	0.499	11.1
Motor vehicle repair and maintenance services	1.343	0.778	0.785	0.560	7.2
Repair and maintenance services (except for buildings and transportation equipment)	1.323	0.796	0.804	0.513	6.6
Funeral services	1.296	0.790	0.794	0.402	6.4
Laundry, dry-cleaning and related services	1.377	0.751	0.763	0.448	7.4
Hair care and aesthetic services	1.393	0.781	0.788	0.617	12.8
Parking services	1.367	0.810	0.818	0.564	8.5
Other personal and personal care services	1.388	0.778	0.787	0.594	12.1
Other membership services	1.427	0.801	0.766	0.724	8.1
Babysitting services	NA	NA	NA	NA	NA
Private household services (except babysitting)	NA	NA	NA	NA	NA
Sales of other services by Non-Profit Institutions Serving Households	1.525	0.743	0.762	0.581	10.3
Sales of other government services	1.509	0.814	0.819	0.602	5.4
Repair and maintenance	NA	NA	NA	NA	NA
Operating supplies	NA	NA	NA	NA	NA
Office supplies	NA	NA	NA	NA	NA
Advertising, promotion, meals and entertainment	NA	NA	NA	NA	NA
Travel, meetings and conventions	NA	NA	NA	NA	NA
Transportation margins	NA	NA	NA	NA	NA

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Educational services provided by Non-Profit Institutions Serving Households	1.232	0.834	0.845	0.740	17.5
Ambulatory health care services provided by Non-Profit Institutions Serving Households	1.428	0.752	0.761	0.647	7.8
Social assistance services provided by Non-Profit Institutions Serving Households	1.222	0.891	0.899	0.820	12.7
Arts, entertainment and recreation services provided by Non-Profit Institutions Serving Households	1.388	0.752	0.771	0.593	10.2
Religious services	1.420	0.787	0.800	0.633	10.0
Grant-making, civic, and professional and similar organization services	1.534	0.746	0.765	0.603	8.7
Labour organization membership services	1.534	0.746	0.765	0.603	8.7
Political organization services	1.534	0.746	0.765	0.603	8.7
Other services provided by Non-Profit Institutions Serving Households	1.559	0.721	0.744	0.532	11.9
Elementary and secondary school services provided by governments	1.175	0.918	0.921	0.802	9.3
Community college and C0E0G0E0P services provided by governments	1.233	0.904	0.911	0.721	7.7
University services provided by governments	1.184	0.898	0.905	0.535	5.7
Other educational services provided by governments	1.266	0.854	0.862	0.641	3.0
Hospital services provided by governments	1.256	0.842	0.844	0.747	7.9
Residential care facility services provided by governments	1.198	0.890	0.895	0.827	6.7
Defence services	1.325	0.819	0.825	0.651	6.2
Other federal government services	1.391	0.827	0.831	0.680	5.7
Other provincial and territorial government services	1.701	0.791	0.796	0.505	5.0
Other municipal government services	1.267	0.875	0.879	0.509	4.5
Other aboriginal government services	1.656	0.801	0.809	0.610	9.9

**Table 8: Alberta Total Multipliers (Commodities)
Closed Model – Direct, Indirect and Induced Impacts**

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Canola (including rapeseed)	1.740	0.818	0.824	0.463	4.2
Oilseeds (except canola)	1.749	0.813	0.818	0.459	4.1
Wheat	1.740	0.818	0.824	0.463	4.2
Grains (except wheat)	1.740	0.818	0.824	0.463	4.2
Fresh potatoes	1.740	0.818	0.824	0.463	4.2
Fresh fruit and nuts	1.740	0.818	0.824	0.463	4.2
Other miscellaneous crop products	1.740	0.818	0.824	0.463	4.2
Fresh vegetables (except potatoes)	1.741	0.829	0.836	0.495	6.7
Imputed feed (animal feed produced for own consumption)	1.740	0.818	0.824	0.463	4.2
Floriculture and nursery products (except cannabis), and sod	1.756	0.883	0.894	0.651	19.1
Cannabis plants, seeds and flowering tops	1.645	0.943	0.965	0.538	19.7
Cattle and calves	2.579	0.678	0.680	0.462	8.6
Unprocessed milk	2.579	0.678	0.680	0.462	8.6
Hogs	2.579	0.678	0.680	0.462	8.6
Eggs in shell	2.579	0.678	0.680	0.462	8.6
Poultry	2.579	0.678	0.680	0.462	8.6
Other live animals	2.579	0.678	0.680	0.462	8.6
Raw furskins, and animal products n.e.c.	2.504	0.712	0.714	0.495	8.8
Imputed fertilizer (fertilizer produced for own consumption)	2.579	0.678	0.680	0.462	8.6
Logs and bolts	1.972	0.844	0.868	0.543	6.4
Pulpwood	1.962	0.843	0.867	0.543	6.5
Fuel wood	1.952	0.842	0.863	0.533	6.1
Rough untreated poles, posts and piling	2.091	0.862	0.878	0.541	5.8
Fish, crustaceans, shellfish and other fishery products	1.731	0.657	0.667	0.462	11.2
Custom work services for forestry	1.962	0.843	0.867	0.543	6.5
Support services for crop production	1.720	0.889	0.887	0.546	5.8
Support services for animal production, hunting and fishing	2.439	0.746	0.743	0.517	8.8
Support services for forestry	1.789	0.862	0.881	0.587	6.9
Conventional crude oil	1.723	0.841	0.851	0.511	4.1
Synthetic crude oil	1.389	0.860	0.864	0.229	1.8
Natural gas	1.723	0.841	0.851	0.511	4.1
Natural gas liquids and related products	1.762	0.832	0.843	0.469	3.8
Crude and diluted bitumen	1.389	0.860	0.864	0.229	1.8
Coal	1.932	0.849	0.864	0.550	5.0
Iron ores and concentrates	NA	NA	NA	NA	NA
Gold and silver ores and concentrates	1.467	0.811	0.830	0.324	7.7
Copper ores and concentrates	NA	NA	NA	NA	NA
Nickel ores and concentrates	NA	NA	NA	NA	NA
Lead and zinc ores and concentrates	NA	NA	NA	NA	NA
Radioactive ores and concentrates	NA	NA	NA	NA	NA
Other metal ores and concentrates	NA	NA	NA	NA	NA
Stone	1.592	0.948	0.959	0.558	5.0
Sand, gravel, clay, and refractory minerals	1.651	0.910	0.927	0.458	4.1
Uncut and industrial diamonds	NA	NA	NA	NA	NA
Potash	NA	NA	NA	NA	NA
Non-metallic minerals (except diamonds)	1.568	0.853	0.862	0.395	4.0
Support services for oil and gas extraction (except exploration)	1.486	1.011	1.016	0.630	6.2
Support services for mining and quarrying (except exploration)	1.650	0.992	1.000	0.689	5.4
Oil and gas and mineral exploration	1.660	0.862	0.871	0.490	3.9
Electricity	1.685	0.952	0.961	0.553	4.3
Natural gas distribution	1.349	0.987	0.989	0.321	3.2

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Water delivered by water works and irrigation systems	1.594	0.978	0.993	0.562	5.2
Sewage and dirty water disposal and cleaning services	1.533	1.035	1.040	0.622	5.5
Steam and heated or cooled air or water	1.730	0.895	0.918	0.492	4.2
Residential buildings	1.707	0.829	0.834	0.569	6.9
Industrial buildings (except mine buildings)	1.667	0.748	0.753	0.529	5.4
Office buildings	1.667	0.748	0.753	0.529	5.4
Shopping centres, plazas, malls and stores	1.667	0.748	0.753	0.529	5.4
Other commercial buildings	1.667	0.748	0.753	0.529	5.4
Schools, colleges, universities and other educational buildings	1.667	0.748	0.753	0.529	5.4
Health care buildings, nursing homes and senior citizen homes	1.667	0.748	0.753	0.529	5.4
Other institutional buildings	1.667	0.748	0.753	0.529	5.4
Highways, roads, streets, bridges and tunnels	1.876	0.740	0.748	0.493	6.0
Other land transportation civil engineering works	1.876	0.740	0.748	0.493	6.0
Oil and gas extraction sites and structures	1.731	0.860	0.865	0.651	6.5
Other oil and gas engineering works	1.731	0.860	0.865	0.651	6.5
Electric power engineering works	1.519	0.865	0.870	0.450	5.2
Communications networks	1.482	0.561	0.567	0.368	4.4
Marine engineering works	1.741	0.789	0.796	0.554	6.9
Waterworks engineering works	1.741	0.789	0.796	0.554	6.9
Sewage engineering works	1.741	0.789	0.796	0.554	6.9
Mining engineering works	1.741	0.789	0.796	0.554	6.9
Other civil engineering works	1.741	0.789	0.796	0.554	6.9
Repair construction services	1.772	0.837	0.844	0.643	7.6
Dog and cat food	1.788	0.556	0.563	0.312	4.1
Other animal feed	1.788	0.556	0.563	0.312	4.1
Flour and other grain mill products	2.005	0.637	0.643	0.313	3.1
Margarine and cooking oils	2.014	0.641	0.646	0.313	3.0
Breakfast cereal and other cereal products	2.013	0.641	0.646	0.313	3.0
Grain and oilseed products, n.e.c.	2.013	0.643	0.648	0.313	3.0
Sugar and sugar mill by-products	1.456	0.511	0.517	0.374	4.8
Chocolate (except confectionery)	1.456	0.511	0.517	0.374	4.8
Confectionery products	1.456	0.511	0.517	0.374	4.8
Fresh, frozen and canned fruit and vegetable juices	1.756	0.698	0.704	0.407	4.7
Preserved fruit and vegetables and frozen foods	1.738	0.701	0.708	0.404	4.8
Processed fluid milk and milk products	2.395	0.705	0.710	0.411	5.6
Cheese and cheese products	2.395	0.705	0.710	0.411	5.6
Butter and dry and canned dairy products	2.391	0.705	0.710	0.410	5.6
Ice cream, sherbet and similar frozen desserts	2.395	0.705	0.710	0.411	5.6
Fresh and frozen beef and veal	2.409	0.618	0.621	0.381	6.0
Fresh and frozen pork	2.409	0.618	0.621	0.381	6.0
Fresh and frozen poultry of all types	2.409	0.618	0.621	0.381	6.0
Processed meat products, other miscellaneous meats and animal by-products	2.362	0.619	0.623	0.381	5.9
Prepared and packaged seafood products	1.398	0.700	0.703	0.345	2.4
Bread, rolls and flatbreads	1.545	0.697	0.703	0.436	6.5
Cookies, crackers and baked sweet goods	1.550	0.697	0.703	0.436	6.4
Flour mixes, dough and dry pasta	1.549	0.723	0.729	0.414	6.1
Snack food products	1.527	0.768	0.774	0.384	5.8
Coffee and tea	1.529	0.760	0.766	0.390	5.9
Flavouring syrups, seasonings and dressings	1.580	0.714	0.720	0.397	5.7
Other food products, n.e.c.	1.600	0.729	0.735	0.392	5.5
Carbonated and non-carbonated drinks, bottled water and ice	1.643	0.614	0.621	0.418	5.7
Beer	1.396	0.762	0.761	0.269	3.4
Wine and brandy	1.396	0.762	0.761	0.269	3.4
Distilled liquor	1.456	0.812	0.824	0.317	4.1
Stemmed, redried or reconstituted tobacco	1.728	0.822	0.830	0.573	2.2
Cigarettes, cigars, chewing and smoking tobacco	1.728	0.822	0.830	0.573	2.2
Cannabis products (except seeds, plants, and plant parts)	NA	NA	NA	NA	NA

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Fibre, yarn and thread	1.534	0.671	0.677	0.558	8.6
Fabrics	1.534	0.671	0.677	0.558	8.6
Carpets, rugs and mats	1.534	0.671	0.677	0.558	8.6
Other textile furnishings	1.510	0.682	0.688	0.533	8.6
Textile products, n.e.c.	1.546	0.691	0.697	0.557	8.4
Fabric weaving and finishing services	1.534	0.671	0.677	0.558	8.6
Men's, women's, boys' and girls' clothing	1.659	0.770	0.779	0.656	10.5
Infant clothing	NA	NA	NA	NA	NA
Clothing accessories	1.659	0.770	0.779	0.656	10.5
Leather and dressed furs	1.659	0.770	0.779	0.656	10.5
Footwear	1.659	0.770	0.779	0.656	10.5
Suitcases, handbags and other leather and allied products	1.659	0.770	0.779	0.656	10.5
Hardwood lumber	NA	NA	NA	NA	NA
Softwood lumber	2.132	0.867	0.882	0.541	5.6
Wood chips	2.121	0.864	0.878	0.538	5.6
Other sawmill products and treated wood products	2.132	0.867	0.882	0.541	5.6
Veneer and plywood	1.814	0.780	0.789	0.445	4.6
Wood trusses and engineered wood members	1.817	0.781	0.789	0.450	4.7
Reconstituted wood products	1.818	0.781	0.789	0.452	4.7
Wood windows and doors	1.721	0.717	0.724	0.516	6.6
Wood containers and pallets	1.896	0.798	0.807	0.595	8.1
Prefabricated wood and manufactured (mobile) buildings and components	1.888	0.795	0.803	0.592	8.0
Wood products, n.e.c.	1.890	0.800	0.808	0.589	8.0
Waste and scrap of wood and wood by-products	2.118	0.863	0.877	0.542	5.7
Wood pulp	1.862	0.718	0.726	0.400	3.5
Paper (except newsprint)	1.897	0.708	0.719	0.429	4.4
Newsprint	1.862	0.718	0.726	0.400	3.5
Paperboard	NA	NA	NA	NA	NA
Paperboard containers	1.443	0.554	0.559	0.371	4.1
Paper office supplies	1.546	0.767	0.772	0.523	6.8
Disposable diapers and feminine hygiene products	NA	NA	NA	NA	NA
Sanitary paper products	NA	NA	NA	NA	NA
Other converted paper products	1.443	0.554	0.559	0.371	4.1
Waste and scrap of paper and paperboard	1.443	0.554	0.559	0.371	4.1
Printed products	1.564	0.802	0.807	0.548	7.2
Printing support services	1.565	0.800	0.804	0.547	7.2
Contract printing services for publishers	1.650	0.858	0.863	0.589	8.3
Motor gasoline	1.968	0.776	0.782	0.237	1.9
Diesel and biodiesel fuels	1.969	0.776	0.782	0.237	1.9
Light fuel oils	1.969	0.776	0.782	0.237	1.9
Aviation fuel	1.967	0.777	0.783	0.238	1.9
Heavy fuel oils	1.969	0.776	0.782	0.237	1.9
Lubricants and other petroleum refinery products	1.951	0.773	0.779	0.242	1.9
Asphalt (except natural) and asphalt products	1.936	0.745	0.753	0.324	3.0
Coke and other coke oven products	1.534	0.816	0.823	0.286	2.6
Solid fuel products, n.e.c.	2.114	0.862	0.876	0.545	5.8
Petrochemicals	1.925	0.794	0.807	0.294	2.4
Industrial gases	1.921	0.795	0.808	0.299	2.5
Dyes and pigments	NA	NA	NA	NA	NA
Other basic inorganic chemicals and nuclear fuel	1.889	0.768	0.781	0.294	2.4
Basic organic chemicals, n.e.c.	1.914	0.794	0.807	0.296	2.4
Plastic resins	1.840	0.804	0.811	0.250	1.9
Rubber and rubber compounds and mixtures	1.331	0.591	0.537	0.301	2.9
Artificial and synthetic fibres and filaments	NA	NA	NA	NA	NA
Ammonia and chemical fertilizers	1.741	0.748	0.764	0.379	3.7
Pesticides and other agricultural chemicals	1.741	0.749	0.765	0.379	3.7
Pharmaceutical and medicinal products	1.598	0.768	0.772	0.551	5.5
Paints, coatings and adhesive products	1.530	0.756	0.728	0.410	5.1
Soaps and cleaning compounds	1.574	0.652	0.658	0.447	4.9
Perfumes and toiletries	1.574	0.667	0.673	0.456	5.1
Chemical products, n.e.c.	1.578	0.516	0.518	0.368	3.2
Plastic bags	1.750	0.710	0.718	0.505	6.1
Plastic films and non-rigid sheets	1.750	0.710	0.718	0.505	6.1

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Plastic and foam building and construction materials	1.749	0.711	0.718	0.506	6.1
Plastic profile shapes	1.750	0.710	0.718	0.505	6.1
Foam products (except for construction)	1.750	0.710	0.718	0.505	6.1
Plastic bottles	1.750	0.710	0.718	0.505	6.1
Motor vehicle plastic parts	1.750	0.710	0.718	0.505	6.1
Plastic products, n.e.c.	1.743	0.707	0.714	0.502	6.1
Tires	1.331	0.591	0.537	0.301	2.9
Rubber and plastic hoses and belts	1.336	0.595	0.543	0.306	3.0
Rubber products, n.e.c.	1.350	0.602	0.553	0.316	3.2
Waste and scrap of plastic and rubber	1.750	0.710	0.718	0.505	6.1
Cement	1.777	0.808	0.820	0.421	4.5
Ready-mixed concrete	1.776	0.808	0.820	0.421	4.5
Concrete products	1.777	0.809	0.820	0.420	4.5
Clay and ceramic products and refractories	1.675	0.795	0.804	0.477	6.0
Glass (including automotive), glass products and glass containers	1.673	0.793	0.801	0.482	6.0
Waste and scrap of glass	NA	NA	NA	NA	NA
Lime and gypsum products	1.675	0.795	0.804	0.477	6.0
Non-metallic mineral products, n.e.c.	1.674	0.795	0.803	0.478	6.0
Iron and steel basic shapes and ferro-alloy products	1.676	0.745	0.752	0.453	4.2
Iron and steel pipes and tubes (except castings)	1.660	0.564	0.571	0.427	3.9
Cold-rolled iron or steel products	1.647	0.607	0.614	0.494	4.6
Bauxite and aluminum oxide	NA	NA	NA	NA	NA
Unwrought aluminum including alloys	1.239	0.432	0.435	0.206	2.7
Basic and semi-finished products of aluminum and alloys	1.239	0.432	0.435	0.206	2.7
Unwrought copper including alloys	NA	NA	NA	NA	NA
Unwrought nickel including alloys	1.286	0.204	0.207	0.133	1.1
Unwrought precious metals including alloys	NA	NA	NA	NA	NA
Other unwrought non-ferrous metals including alloys	1.286	0.204	0.207	0.133	1.1
Gold, store of value	NA	NA	NA	NA	NA
Basic and semi-finished products of non-ferrous metals and alloys (except aluminum)	1.286	0.204	0.207	0.133	1.1
Ferrous metal castings	1.621	0.828	0.834	0.651	7.6
Non-ferrous metal castings	NA	NA	NA	NA	NA
Waste and scrap of iron and steel	1.665	0.561	0.568	0.427	3.9
Waste and scrap of non-ferrous metals	1.239	0.432	0.435	0.206	2.7
Forged and stamped metal products	1.552	0.789	0.795	0.571	6.2
Prefabricated metal buildings and other non-wood buildings, and components	1.660	0.710	0.715	0.514	5.8
Fabricated steel plate and other fabricated structural metal	1.649	0.711	0.716	0.513	5.7
Metal windows and doors	1.674	0.711	0.716	0.514	5.8
Other architectural metal products	1.627	0.710	0.715	0.505	5.6
Light gauge metal containers, crowns and closures	1.517	0.674	0.678	0.459	4.6
Boilers, tanks and heavy gauge metal containers	1.532	0.684	0.688	0.468	4.9
Builders, motor vehicle and other hardware	1.654	0.716	0.721	0.521	5.8
Springs and wire products	1.570	0.698	0.703	0.613	5.8
Threaded metal fasteners and other turned metal products including automotive	1.634	0.819	0.825	0.624	7.3
Coating, engraving, heat treating and similar metal processing services	1.570	0.808	0.814	0.602	6.5
Hand tools, kitchen utensils and cutlery (except precious metal)	1.576	0.772	0.777	0.556	6.1
Metal valves and pipe fittings	1.509	0.709	0.713	0.482	5.0
Ball and roller bearings	1.519	0.723	0.727	0.488	5.0
Guns, ammunition and other munitions	1.519	0.723	0.727	0.488	5.0
Fabricated metal products, n.e.c.	1.610	0.762	0.767	0.557	6.3
Agricultural, lawn and garden machinery and equipment	1.380	0.607	0.610	0.399	4.3
Logging, mining and construction machinery and equipment	1.381	0.614	0.617	0.402	4.3

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Other industry-specific machinery	1.322	0.572	0.575	0.394	4.4
Commercial and service industry machinery	1.375	0.618	0.621	0.359	3.9
Industrial and commercial fans, blowers and air purification equipment	1.403	0.759	0.759	0.452	5.2
Heating and cooling equipment (except household refrigerators and freezers)	1.406	0.757	0.758	0.452	5.1
Metalworking machinery and industrial moulds	1.574	0.789	0.795	0.560	6.1
Turbines, turbine generators, and turbine generator sets (except aircraft turbines)	NA	NA	NA	NA	NA
Other engine and power transmission equipment	1.342	0.592	0.595	0.254	2.3
Pumps and compressors (except fluid power)	1.411	0.657	0.660	0.411	3.8
Material handling equipment	1.416	0.651	0.654	0.412	4.0
Other miscellaneous general-purpose machinery	1.506	0.737	0.741	0.501	5.3
Computers, computer peripherals and parts	1.546	0.747	0.750	0.625	4.9
Telephone apparatus	1.436	0.689	0.693	0.492	5.9
Other communications equipment	1.369	0.661	0.664	0.404	4.5
Audio and video equipment and unrecorded media	1.316	0.633	0.634	0.329	3.5
Navigational and guidance instruments	1.292	0.629	0.631	0.304	2.9
Medical devices	1.343	0.655	0.657	0.348	3.7
Measuring, control and scientific instruments	1.330	0.638	0.639	0.335	3.4
Printed and integrated circuits, semiconductors and printed circuit assemblies	1.470	0.658	0.651	0.494	7.1
Other electronic components	1.445	0.590	0.585	0.498	6.4
Electric light bulbs and tubes	1.366	0.597	0.610	0.329	3.1
Lighting fixtures	1.390	0.630	0.641	0.342	3.5
Small electric appliances	1.421	0.721	0.728	0.501	7.5
Major appliances	NA	NA	NA	NA	NA
Power, distribution and other transformers	1.335	0.499	0.501	0.415	3.5
Electric motors and generators	1.335	0.499	0.501	0.415	3.5
Switchgear, switchboards, relays and industrial control apparatus	1.340	0.516	0.519	0.408	3.6
Batteries and battery chargers	1.464	0.735	0.741	0.380	5.0
Communication and electric wire and cable	1.451	0.727	0.732	0.375	4.8
Wiring devices	1.454	0.717	0.722	0.383	4.9
Other electrical equipment and components	1.394	0.606	0.610	0.399	4.2
Passenger cars	NA	NA	NA	NA	NA
Light-duty trucks, vans and sport utility vehicles (SUVs)	NA	NA	NA	NA	NA
Medium and heavy-duty trucks	1.437	0.701	0.704	0.351	8.3
Buses	NA	NA	NA	NA	NA
Motor vehicle bodies and special purpose motor vehicles	1.375	0.524	0.528	0.390	4.3
Freight and utility trailers	1.373	0.521	0.525	0.389	4.3
Motor homes, travel trailers and camping trailers	1.373	0.521	0.525	0.389	4.3
Motor vehicle gasoline engines and engine parts	1.591	0.599	0.600	0.467	6.3
Motor vehicle electrical and electronic equipment	1.324	0.673	0.676	0.316	3.3
Motor vehicle steering and suspension components	1.342	0.471	0.474	0.331	3.9
Motor vehicle brakes and brake systems	1.460	0.539	0.545	0.333	5.4
Motor vehicle transmission and drive train components	1.278	0.426	0.429	0.298	3.8
Motor vehicle interior trim, seats and seat parts	1.425	0.855	0.862	0.602	9.7
Motor vehicle metal stampings	1.529	0.806	0.811	0.600	7.0
Other miscellaneous motor vehicle parts	1.590	0.834	0.838	0.709	7.0
Aircraft	1.425	0.659	0.661	0.492	4.2
Aircraft engines	1.425	0.659	0.661	0.492	4.2
Aircraft parts and other aerospace equipment	1.425	0.659	0.661	0.492	4.2
Locomotives, railway rolling stock, and rapid transit equipment	NA	NA	NA	NA	NA
Parts of railway rolling stock	NA	NA	NA	NA	NA
Ships	NA	NA	NA	NA	NA
Boats and personal watercraft	1.488	0.778	0.783	0.534	7.9
Other transportation equipment and related parts	NA	NA	NA	NA	NA
Wood cabinets and counter tops	1.548	0.708	0.714	0.527	8.5
Household furniture	1.493	0.690	0.696	0.514	8.6

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Institutional and other furniture, n.e.c.	1.538	0.784	0.789	0.574	8.1
Office furniture	1.541	0.774	0.780	0.561	8.1
Office and store fixtures	1.552	0.776	0.781	0.566	7.9
Mattresses and foundations	1.244	0.421	0.426	0.246	3.1
Blinds, shades, and curtain fixtures	1.235	0.411	0.416	0.237	2.9
Medical, dental and personal safety supplies, instruments and equipment	1.649	0.812	0.817	0.614	8.7
Jewellery and silverware	1.604	0.754	0.760	0.520	6.9
Sporting and athletic goods	1.604	0.754	0.760	0.520	6.9
Toys and games	1.604	0.754	0.760	0.520	6.9
Office supplies (except paper)	1.577	0.819	0.826	0.548	6.9
Signs	1.601	0.759	0.765	0.523	6.9
Other miscellaneous manufactured products	1.626	0.793	0.795	0.552	7.5
Custom manufacturing services (except printing, finishing of textiles and metals)	1.613	0.768	0.773	0.530	6.2
Wholesale margins - farm products	1.659	0.944	0.952	0.547	6.0
Wholesale margins - petroleum and petroleum products	1.588	0.883	0.894	0.391	3.7
Wholesale margins - food, beverages and tobacco products	1.656	0.925	0.932	0.567	7.6
Wholesale margins - personal and household goods	1.658	1.017	1.023	0.721	7.7
Wholesale margins - motor vehicles, motor vehicle parts and accessories	1.627	1.003	1.008	0.733	7.5
Wholesale margins - building materials and supplies	1.618	1.018	1.024	0.684	7.6
Wholesale margins - machinery, equipment and supplies	1.591	1.039	1.043	0.716	7.0
Wholesale margins - miscellaneous products	1.626	0.955	0.961	0.587	6.1
Wholesale trade commissions	1.676	0.971	0.978	0.639	7.8
Retail margins - motor vehicles and parts	1.674	1.034	1.041	0.749	9.6
Retail margins - furniture and home furnishings	1.791	0.976	0.984	0.661	10.1
Retail margins - electronics and appliances	1.677	0.998	1.003	0.651	9.1
Retail margins - building materials, garden equipment and supplies	1.677	0.997	1.004	0.631	10.0
Retail margins - food and beverages	1.677	1.053	1.059	0.736	11.5
Retail margins - health and personal care products	1.723	1.023	1.029	0.696	10.0
Retail margins - automotive fuels	1.574	0.982	0.988	0.505	7.5
Retail margins - clothing and clothing accessories	1.778	1.015	1.021	0.650	11.2
Retail margins - sporting and leisure products	1.780	1.056	1.062	0.787	12.8
Retail margins - miscellaneous products (except cannabis)	1.728	1.022	1.028	0.684	11.2
Retail margins - cannabis products (licensed)	1.898	1.032	1.041	0.784	13.9
Retail margins - cannabis products (unlicensed)	1.819	1.304	1.309	1.115	13.3
Retail margins - household fuels	1.772	1.032	1.038	0.799	9.3
Used motor vehicles	NA	NA	NA	NA	NA
Other used consumer goods	NA	NA	NA	NA	NA
Retail trade commissions	1.670	0.999	1.006	0.663	10.3
Air passenger transportation services	1.803	0.790	0.799	0.452	5.7
Air freight transportation services	1.803	0.790	0.799	0.452	5.7
Air specialty services	1.795	0.818	0.829	0.500	6.4
Rail passenger transportation services	1.555	0.934	0.956	0.391	3.4
Rail freight transportation services	1.555	0.934	0.956	0.391	3.4
Water passenger transportation services	1.555	0.879	0.890	0.674	18.1
Water freight transportation services	1.642	0.954	0.962	0.747	13.0
Moving services	1.975	0.828	0.862	0.562	6.4
Road transportation services for general freight	1.967	0.832	0.866	0.565	6.5
Road transportation services for specialized freight	1.976	0.829	0.862	0.562	6.5
Urban transit services	2.595	2.774	1.316	2.296	21.4
Interurban and rural bus passenger transportation services	1.634	1.033	1.040	0.760	12.8
School bus services	1.602	1.035	1.040	0.717	10.5
Other transit and passenger transportation services by road	1.642	1.057	1.044	0.775	12.6
Scenic and sightseeing tour services	1.624	1.015	1.037	0.745	12.7

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Taxi and limousine services	1.866	0.893	0.922	0.665	15.3
Transportation of natural gas by pipeline	1.189	1.005	1.006	0.239	2.0
Transportation of crude oil and other commodities by pipeline	1.485	0.917	0.923	0.336	2.8
Air transportation support services	1.774	0.826	0.835	0.499	6.1
Aircraft maintenance and repair services	1.711	0.798	0.806	0.500	5.8
Rail transportation support, maintenance and repair services	1.759	0.838	0.848	0.504	6.1
Water transportation support, maintenance and repair services	1.746	0.891	0.900	0.592	6.4
Road transportation support services	1.726	0.874	0.883	0.533	6.1
Freight transportation arrangement and customs brokering services	1.770	0.837	0.847	0.512	6.3
Other transportation support services	1.769	0.834	0.844	0.509	6.2
Postal services	1.705	1.144	1.156	1.074	11.6
Courier, parcel, and local messenger and delivery services	1.816	0.937	0.954	0.603	9.0
Grain storage	1.512	1.041	1.045	0.642	9.9
Warehousing and storage services (except grain storage)	1.703	0.954	0.971	0.611	8.5
Newspapers	1.738	0.915	0.921	0.614	8.4
Advertising space in printed newspapers	1.738	0.915	0.921	0.614	8.4
Periodicals	1.595	0.918	0.923	0.529	6.0
Books	1.540	0.967	0.972	0.552	5.5
Other published products	1.566	0.884	0.889	0.517	5.9
Advertising space in printed periodicals and in other printed publications	1.562	0.912	0.917	0.500	5.5
Licensing of rights for commercial use of literary works (except software) and artistic works	1.828	0.947	0.952	0.673	6.0
General purpose software	1.548	0.973	0.972	0.657	5.6
Recorded movies, television programs and videos	NA	NA	NA	NA	NA
Movie, television program and video production, post-production and editing services	1.862	0.892	0.783	0.768	10.4
Licensing of rights for commercial use of dramatic works, and other copyrighted property n.e.c.	1.858	0.892	0.784	0.764	10.4
Admissions to motion picture film exhibitions	1.488	0.773	0.771	0.378	6.4
Recorded music and other sound recordings	1.527	0.747	0.754	0.536	13.7
Audio recording services and copyright administration	1.556	0.773	0.778	0.576	12.9
Licensing of rights for commercial use of musical works and sound recordings	1.559	0.741	0.749	0.574	15.1
Advertising air time on radio	1.535	0.846	0.844	0.561	7.3
Advertising air time on television	1.532	0.838	0.836	0.557	7.1
Fees for the distribution of television and radio program channels (affiliation payments)	1.407	0.509	0.500	0.263	4.2
Fixed telecommunications services (except Internet access)	1.266	0.800	0.801	0.227	2.2
Mobile telecommunications services	1.266	0.800	0.801	0.227	2.2
Broadcasting and online games distribution services	1.267	0.800	0.801	0.227	2.2
Fixed Internet access services	1.266	0.800	0.801	0.227	2.2
Data processing, hosting, and related services (except software as a service, on cloud)	1.560	0.956	0.959	0.583	5.9
Subscriptions for online content	NA	NA	NA	NA	NA
Internet advertising	1.757	0.935	0.940	0.627	6.0
Other information services	1.982	0.964	0.970	0.629	6.2
Central banking services	1.535	0.916	0.934	0.678	2.7
Local credit union services - explicit charges (fees)	1.770	0.987	1.002	0.804	8.4
Banking and other depository credit intermediation services - explicit charges	1.452	1.015	1.023	0.556	5.0
Non-depository credit intermediation services - explicit charges (fees)	1.589	0.947	0.959	0.531	5.2
Other services related to credit intermediation	1.778	0.878	0.904	0.596	7.7
Investment banking services	1.670	0.980	0.995	0.592	5.4
Security brokerage and securities dealing services	1.785	0.961	0.980	0.611	5.6

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Portfolio management services	1.825	0.960	0.978	0.613	5.7
Investment counselling services	1.806	0.959	0.978	0.612	5.6
Holding company services and other financial investment and related activities	1.904	0.993	1.008	0.786	7.8
Life insurance services	1.918	0.964	0.980	0.581	6.4
Health and accident insurance services	1.918	0.964	0.980	0.581	6.4
Vehicle insurance services	1.918	0.964	0.980	0.581	6.4
Property insurance services	1.918	0.964	0.980	0.581	6.4
Liability and other property and casualty insurance services	1.917	0.964	0.980	0.582	6.4
Insurance brokerage and other services related to insurance	1.733	1.102	1.119	0.862	9.9
Trusteed pension fund services	2.120	0.907	0.938	0.666	6.1
Mutual funds (cost of service) and other similar services	2.120	0.907	0.938	0.666	6.1
Deposit intermediation services indirectly measured (FISIM)	1.476	1.013	1.021	0.575	5.2
Residential mortgage intermediation services indirectly measured (FISIM)	1.482	1.011	1.019	0.576	5.3
Other loan intermediation services indirectly measured (FISIM)	1.524	0.984	0.994	0.554	5.2
Rental of residential real estate	1.599	1.017	1.026	0.504	3.7
Rental of non-residential real estate	1.606	0.996	1.006	0.518	4.2
Imputed rental of owner-occupied dwellings	1.639	1.265	1.269	1.027	2.6
Real estate brokerage and other services related to real estate	1.762	0.973	0.986	0.622	8.0
Rental and operating leasing services of motor vehicles	1.645	0.914	0.929	0.456	5.1
Computer equipment rental and leasing services	NA	NA	NA	NA	NA
Office machinery and equipment (except computer equipment) rental and leasing services	NA	NA	NA	NA	NA
Rental and operating leasing services of commercial and industrial machinery and equipment	1.613	0.912	0.927	0.517	5.6
Rental and operating leasing services of other goods	1.605	0.915	0.929	0.514	6.6
Licensing of rights for commercial use of non-financial intangible assets (except software and other copyright licensing)	1.676	0.896	0.902	0.509	6.1
Legal services	1.690	1.160	1.164	0.895	7.6
Accounting, tax preparation, bookkeeping and payroll services	1.707	1.081	1.085	0.819	8.9
Architectural, engineering and related services	1.671	0.983	0.988	0.738	7.6
Specialized design services	1.756	0.976	0.982	0.679	10.2
Custom software design and development services	1.560	0.954	0.953	0.590	6.5
Own-account software design and development services	1.659	0.981	0.988	0.631	6.5
Computer systems design and related services (except software development)	1.560	0.955	0.954	0.593	6.4
Management, scientific and technical consulting services	1.684	1.015	1.018	0.704	7.7
Research and development services	1.550	1.094	1.014	0.562	5.8
Own-account research and development (except software development)	1.544	0.981	0.987	0.571	5.8
Advertising, public relations, and related services	1.767	0.987	0.956	0.676	8.2
Photographic services	1.834	0.957	0.964	0.697	9.2
Veterinary services	1.854	0.943	0.949	0.673	7.7
Other professional, scientific and technical services	1.835	0.952	0.958	0.677	7.8
Holding company services (imputed)	1.762	1.055	1.059	0.889	9.2
Head office services (imputed)	1.648	0.886	0.894	0.490	4.7
Office administrative services	1.677	1.005	1.010	0.689	7.2
Employment services	1.708	1.040	1.044	0.770	7.9
Business support services	1.667	0.985	0.994	0.675	8.0

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Travel arrangement, reservation and planning services	1.757	0.941	0.947	0.634	6.4
Investigation and security services	1.625	1.084	1.089	0.850	14.9
Services to buildings and dwellings	1.728	0.939	0.952	0.658	9.8
Facilities and other support services	1.573	0.946	0.951	0.430	4.7
Waste management and remediation services	1.686	0.920	0.929	0.503	5.7
Tuition and similar fees for elementary and secondary schools	1.608	1.148	1.154	0.964	13.3
Tuition and similar fees for colleges and C.E.G.E.P.s	1.619	1.140	1.148	0.888	9.3
Tuition and similar fees for universities	1.471	1.073	1.080	0.658	6.9
Tuition and similar fees for trade, technical and professional training	1.790	1.052	1.063	0.817	13.0
Other educational training and services	1.867	1.053	1.066	0.826	13.7
Physician services	1.437	1.080	1.088	0.589	5.8
Dental services	1.599	0.962	0.977	0.593	6.7
Other health practitioner services	1.646	1.209	1.215	1.038	14.0
Medical laboratory diagnostic and testing services	1.646	1.209	1.215	1.038	14.0
Ambulance services	1.650	1.196	1.203	1.026	13.7
Hospital services	1.642	1.077	1.081	0.913	9.5
Nursing and residential care services	1.657	1.127	1.137	0.938	13.1
Child day-care services	1.795	1.040	1.058	0.832	14.5
Other ambulatory health care services and social assistance services	1.756	1.069	1.080	0.878	12.4
Admissions to live sporting events	1.732	0.999	0.986	0.717	10.7
Admissions to live performing arts performances	1.720	0.993	0.987	0.717	10.6
Sport and performing arts event organization services	1.640	1.009	1.012	0.688	8.9
Career management and representation services of public figures	1.759	0.998	0.980	0.727	11.3
Contract production of live performing arts performances, live sporting events and copyrighted works	1.729	0.999	0.982	0.713	10.8
Sporting event media rights	1.721	1.003	0.988	0.708	10.3
Heritage institution services	1.683	0.997	1.004	0.695	8.8
Amusement and recreational services	1.695	0.950	0.964	0.657	10.9
Gambling (net wagers)	1.741	0.846	0.864	0.633	9.8
Room or unit accommodation services for travellers	1.548	0.929	0.943	0.566	9.2
Recreational vehicle park and recreational camp services	1.593	0.840	0.867	0.482	7.2
Rooming and boarding services	1.579	0.901	0.922	0.560	8.4
Prepared meals	1.730	0.858	0.869	0.630	12.7
Alcoholic beverages for immediate consumption	1.721	0.862	0.874	0.624	12.3
Motor vehicle repair and maintenance services	1.664	0.974	0.981	0.698	8.5
Repair and maintenance services (except for buildings and transportation equipment)	1.616	0.974	0.983	0.639	7.7
Funeral services	1.532	0.934	0.938	0.503	7.4
Laundry, dry-cleaning and related services	1.639	0.911	0.923	0.561	8.5
Hair care and aesthetic services	1.765	1.007	1.015	0.777	14.3
Parking services	1.690	1.007	1.015	0.703	9.8
Other personal and personal care services	1.743	0.994	1.003	0.747	13.5
Other membership services	1.826	1.044	1.010	0.896	9.7
Babysitting services	1.615	1.374	1.376	1.265	31.7
Private household services (except babysitting)	1.615	1.374	1.376	1.265	31.7
Sales of other services by Non-Profit Institutions Serving Households	1.856	0.944	0.965	0.724	11.7
Sales of other government services	1.831	1.010	1.015	0.741	6.7
Repair and maintenance	NA	NA	NA	NA	NA
Operating supplies	NA	NA	NA	NA	NA
Office supplies	NA	NA	NA	NA	NA
Advertising, promotion, meals and entertainment	NA	NA	NA	NA	NA
Travel, meetings and conventions	NA	NA	NA	NA	NA
Transportation margins	NA	NA	NA	NA	NA

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Educational services provided by Non-Profit Institutions Serving Households	1.652	1.089	1.101	0.921	19.2
Ambulatory health care services provided by Non-Profit Institutions Serving Households	1.801	0.979	0.990	0.808	9.3
Social assistance services provided by Non-Profit Institutions Serving Households	1.686	1.174	1.182	1.020	14.6
Arts, entertainment and recreation services provided by Non-Profit Institutions Serving Households	1.728	0.958	0.978	0.739	11.5
Religious services	1.771	1.000	1.015	0.784	11.4
Grant-making, civic, and professional and similar organization services	1.879	0.956	0.976	0.752	10.1
Labour organization membership services	1.879	0.956	0.976	0.752	10.1
Political organization services	1.879	0.956	0.976	0.752	10.1
Other services provided by Non-Profit Institutions Serving Households	1.865	0.908	0.931	0.664	13.1
Elementary and secondary school services provided by governments	1.590	1.171	1.175	0.981	10.9
Community college and C0E0G0E0P services provided by governments	1.619	1.140	1.148	0.888	9.3
University services provided by governments	1.471	1.073	1.080	0.658	6.9
Other educational services provided by governments	1.621	1.070	1.079	0.794	4.5
Hospital services provided by governments	1.642	1.077	1.081	0.913	9.5
Residential care facility services provided by governments	1.655	1.168	1.174	1.024	8.5
Defence services	1.650	1.017	1.023	0.791	7.5
Other federal government services	1.743	1.041	1.046	0.831	7.1
Other provincial and territorial government services	1.987	0.965	0.970	0.628	6.2
Other municipal government services	1.533	1.036	1.041	0.623	5.5
Other aboriginal government services	2.004	1.013	1.021	0.760	11.3

**Table 9: Alberta Total Multipliers With Safety Net (Commodities)
Closed Model – Direct, Indirect and Induced Impacts**

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Canola (including rapeseed)	1.682	0.783	0.788	0.438	3.9
Oilseeds (except canola)	1.691	0.778	0.783	0.434	3.9
Wheat	1.682	0.783	0.788	0.438	3.9
Grains (except wheat)	1.682	0.783	0.788	0.438	3.9
Fresh potatoes	1.682	0.783	0.788	0.438	3.9
Fresh fruit and nuts	1.682	0.783	0.788	0.438	3.9
Other miscellaneous crop products	1.682	0.783	0.788	0.438	3.9
Fresh vegetables (except potatoes)	1.665	0.783	0.790	0.462	6.4
Imputed feed (animal feed produced for own consumption)	1.682	0.783	0.788	0.438	3.9
Floriculture and nursery products (except cannabis), and sod	1.597	0.786	0.797	0.582	18.4
Cannabis plants, seeds and flowering tops	1.514	0.863	0.885	0.482	19.2
Cattle and calves	2.495	0.627	0.628	0.426	8.2
Unprocessed milk	2.495	0.627	0.628	0.426	8.2
Hogs	2.495	0.627	0.628	0.426	8.2
Eggs in shell	2.495	0.627	0.628	0.426	8.2
Poultry	2.495	0.627	0.628	0.426	8.2
Other live animals	2.495	0.627	0.628	0.426	8.2
Raw furskins, and animal products n.e.c.	2.408	0.654	0.655	0.454	8.4
Imputed fertilizer (fertilizer produced for own consumption)	2.495	0.627	0.628	0.426	8.2
Logs and bolts	1.876	0.786	0.809	0.502	6.0
Pulpwood	1.866	0.784	0.808	0.502	6.1
Fuel wood	1.862	0.787	0.808	0.494	5.7
Rough untreated poles, posts and piling	2.005	0.809	0.825	0.504	5.4
Fish, crustaceans, shellfish and other fishery products	1.617	0.588	0.598	0.413	10.8
Custom work services for forestry	1.866	0.784	0.808	0.502	6.1
Support services for crop production	1.634	0.837	0.834	0.509	5.4
Support services for animal production, hunting and fishing	2.340	0.687	0.683	0.475	8.4
Support services for forestry	1.674	0.792	0.810	0.537	6.4
Conventional crude oil	1.664	0.805	0.815	0.486	3.9
Synthetic crude oil	1.363	0.843	0.848	0.217	1.7
Natural gas	1.664	0.805	0.815	0.486	3.9
Natural gas liquids and related products	1.707	0.799	0.809	0.446	3.6
Crude and diluted bitumen	1.363	0.843	0.848	0.217	1.7
Coal	1.859	0.805	0.819	0.519	4.7
Iron ores and concentrates	NA	NA	NA	NA	NA
Gold and silver ores and concentrates	1.389	0.763	0.783	0.291	7.4
Copper ores and concentrates	NA	NA	NA	NA	NA
Nickel ores and concentrates	NA	NA	NA	NA	NA
Lead and zinc ores and concentrates	NA	NA	NA	NA	NA
Radioactive ores and concentrates	NA	NA	NA	NA	NA
Other metal ores and concentrates	NA	NA	NA	NA	NA
Stone	1.520	0.904	0.915	0.527	4.7
Sand, gravel, clay, and refractory minerals	1.592	0.874	0.891	0.432	3.9
Uncut and industrial diamonds	NA	NA	NA	NA	NA
Potash	NA	NA	NA	NA	NA
Non-metallic minerals (except diamonds)	1.509	0.817	0.825	0.370	3.8
Support services for oil and gas extraction (except exploration)	1.404	0.961	0.965	0.594	5.9
Support services for mining and quarrying (except exploration)	1.579	0.949	0.956	0.658	5.2
Oil and gas and mineral exploration	1.605	0.828	0.837	0.466	3.7
Electricity	1.620	0.913	0.921	0.526	4.1
Natural gas distribution	1.300	0.957	0.959	0.300	3.0

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Water delivered by water works and irrigation systems	1.505	0.923	0.939	0.524	4.8
Sewage and dirty water disposal and cleaning services	1.437	0.977	0.982	0.581	5.1
Steam and heated or cooled air or water	1.665	0.856	0.878	0.464	4.0
Residential buildings	1.597	0.762	0.767	0.521	6.4
Industrial buildings (except mine buildings)	1.584	0.698	0.702	0.493	5.1
Office buildings	1.584	0.698	0.702	0.493	5.1
Shopping centres, plazas, malls and stores	1.584	0.698	0.702	0.493	5.1
Other commercial buildings	1.584	0.698	0.702	0.493	5.1
Schools, colleges, universities and other educational buildings	1.584	0.698	0.702	0.493	5.1
Health care buildings, nursing homes and senior citizen homes	1.584	0.698	0.702	0.493	5.1
Other institutional buildings	1.584	0.698	0.702	0.493	5.1
Highways, roads, streets, bridges and tunnels	1.781	0.682	0.689	0.451	5.7
Other land transportation civil engineering works	1.781	0.682	0.689	0.451	5.7
Oil and gas extraction sites and structures	1.635	0.802	0.806	0.609	6.1
Other oil and gas engineering works	1.635	0.802	0.806	0.609	6.1
Electric power engineering works	1.439	0.816	0.822	0.416	4.8
Communications networks	1.414	0.520	0.526	0.339	4.1
Marine engineering works	1.634	0.723	0.730	0.508	6.5
Waterworks engineering works	1.634	0.723	0.730	0.508	6.5
Sewage engineering works	1.634	0.723	0.730	0.508	6.5
Mining engineering works	1.634	0.723	0.730	0.508	6.5
Other civil engineering works	1.634	0.723	0.730	0.508	6.5
Repair construction services	1.648	0.762	0.768	0.590	7.1
Dog and cat food	1.722	0.516	0.522	0.284	3.9
Other animal feed	1.722	0.516	0.522	0.284	3.9
Flour and other grain mill products	1.959	0.610	0.615	0.293	2.9
Margarine and cooking oils	1.969	0.613	0.619	0.293	2.9
Breakfast cereal and other cereal products	1.968	0.613	0.619	0.293	2.8
Grain and oilseed products, n.e.c.	1.968	0.615	0.621	0.293	2.8
Sugar and sugar mill by-products	1.373	0.461	0.466	0.338	4.4
Chocolate (except confectionery)	1.373	0.461	0.466	0.338	4.4
Confectionery products	1.373	0.461	0.466	0.338	4.4
Fresh, frozen and canned fruit and vegetable juices	1.682	0.653	0.659	0.375	4.4
Preserved fruit and vegetables and frozen foods	1.662	0.655	0.661	0.371	4.5
Processed fluid milk and milk products	2.327	0.664	0.669	0.382	5.3
Cheese and cheese products	2.327	0.664	0.669	0.382	5.3
Butter and dry and canned dairy products	2.324	0.664	0.669	0.381	5.3
Ice cream, sherbet and similar frozen desserts	2.327	0.664	0.669	0.382	5.3
Fresh and frozen beef and veal	2.336	0.574	0.577	0.350	5.7
Fresh and frozen pork	2.336	0.574	0.577	0.350	5.7
Fresh and frozen poultry of all types	2.336	0.574	0.577	0.350	5.7
Processed meat products, other miscellaneous meats and animal by-products	2.288	0.575	0.578	0.349	5.6
Prepared and packaged seafood products	1.363	0.679	0.681	0.330	2.2
Bread, rolls and flatbreads	1.433	0.629	0.635	0.388	6.0
Cookies, crackers and baked sweet goods	1.439	0.630	0.635	0.388	6.0
Flour mixes, dough and dry pasta	1.444	0.659	0.665	0.368	5.7
Snack food products	1.428	0.709	0.714	0.342	5.4
Coffee and tea	1.429	0.699	0.705	0.347	5.5
Flavouring syrups, seasonings and dressings	1.483	0.655	0.661	0.355	5.3
Other food products, n.e.c.	1.509	0.673	0.679	0.353	5.1
Carbonated and non-carbonated drinks, bottled water and ice	1.544	0.554	0.561	0.375	5.3
Beer	1.338	0.727	0.726	0.244	3.1
Wine and brandy	1.338	0.727	0.726	0.244	3.1
Distilled liquor	1.386	0.770	0.782	0.287	3.8
Stemmed, redried or reconstituted tobacco	1.707	0.809	0.817	0.564	2.1
Cigarettes, cigars, chewing and smoking tobacco	1.707	0.809	0.817	0.564	2.1
Cannabis products (except seeds, plants, and plant parts)	NA	NA	NA	NA	NA

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Fibre, yarn and thread	1.390	0.584	0.589	0.496	8.0
Fabrics	1.390	0.584	0.589	0.496	8.0
Carpets, rugs and mats	1.390	0.584	0.589	0.496	8.0
Other textile furnishings	1.374	0.600	0.605	0.474	8.1
Textile products, n.e.c.	1.406	0.606	0.611	0.497	7.8
Fabric weaving and finishing services	1.390	0.584	0.589	0.496	8.0
Men's, women's, boys' and girls' clothing	1.491	0.668	0.677	0.583	9.9
Infant clothing	NA	NA	NA	NA	NA
Clothing accessories	1.491	0.668	0.677	0.583	9.9
Leather and dressed furs	1.491	0.668	0.677	0.583	9.9
Footwear	1.491	0.668	0.677	0.583	9.9
Suitcases, handbags and other leather and allied products	1.491	0.668	0.677	0.583	9.9
Hardwood lumber	NA	NA	NA	NA	NA
Softwood lumber	2.049	0.817	0.831	0.505	5.2
Wood chips	2.037	0.814	0.827	0.502	5.2
Other sawmill products and treated wood products	2.049	0.817	0.831	0.505	5.2
Veneer and plywood	1.744	0.737	0.745	0.415	4.3
Wood trusses and engineered wood members	1.744	0.737	0.745	0.418	4.4
Reconstituted wood products	1.745	0.736	0.744	0.420	4.4
Wood windows and doors	1.615	0.652	0.659	0.471	6.2
Wood containers and pallets	1.761	0.716	0.724	0.537	7.6
Prefabricated wood and manufactured (mobile) buildings and components	1.755	0.714	0.722	0.535	7.5
Wood products, n.e.c.	1.758	0.719	0.728	0.532	7.4
Waste and scrap of wood and wood by-products	2.033	0.811	0.825	0.505	5.3
Wood pulp	1.809	0.686	0.694	0.377	3.3
Paper (except newsprint)	1.832	0.668	0.678	0.401	4.1
Newsprint	1.809	0.686	0.694	0.377	3.3
Paperboard	NA	NA	NA	NA	NA
Paperboard containers	1.377	0.513	0.518	0.343	3.8
Paper office supplies	1.432	0.697	0.701	0.474	6.3
Disposable diapers and feminine hygiene products	NA	NA	NA	NA	NA
Sanitary paper products	NA	NA	NA	NA	NA
Other converted paper products	1.377	0.513	0.518	0.343	3.8
Waste and scrap of paper and paperboard	1.377	0.513	0.518	0.343	3.8
Printed products	1.442	0.727	0.732	0.495	6.7
Printing support services	1.442	0.725	0.729	0.494	6.7
Contract printing services for publishers	1.511	0.773	0.778	0.529	7.7
Motor gasoline	1.941	0.759	0.766	0.225	1.8
Diesel and biodiesel fuels	1.941	0.759	0.766	0.225	1.8
Light fuel oils	1.941	0.759	0.766	0.225	1.8
Aviation fuel	1.940	0.760	0.766	0.226	1.8
Heavy fuel oils	1.941	0.759	0.766	0.225	1.8
Lubricants and other petroleum refinery products	1.923	0.756	0.762	0.230	1.8
Asphalt (except natural) and asphalt products	1.891	0.718	0.726	0.305	2.8
Coke and other coke oven products	1.496	0.793	0.800	0.270	2.4
Solid fuel products, n.e.c.	2.026	0.809	0.822	0.507	5.4
Petrochemicals	1.889	0.772	0.785	0.279	2.3
Industrial gases	1.884	0.773	0.786	0.283	2.3
Dyes and pigments	NA	NA	NA	NA	NA
Other basic inorganic chemicals and nuclear fuel	1.852	0.746	0.759	0.278	2.3
Basic organic chemicals, n.e.c.	1.878	0.772	0.785	0.280	2.3
Plastic resins	1.813	0.787	0.794	0.239	1.8
Rubber and rubber compounds and mixtures	1.285	0.563	0.509	0.281	2.7
Artificial and synthetic fibres and filaments	NA	NA	NA	NA	NA
Ammonia and chemical fertilizers	1.684	0.714	0.730	0.355	3.4
Pesticides and other agricultural chemicals	1.685	0.715	0.731	0.355	3.4
Pharmaceutical and medicinal products	1.509	0.713	0.717	0.512	5.1
Paints, coatings and adhesive products	1.447	0.706	0.677	0.375	4.8
Soaps and cleaning compounds	1.489	0.600	0.606	0.410	4.6
Perfumes and toiletries	1.485	0.612	0.619	0.417	4.7
Chemical products, n.e.c.	1.531	0.487	0.489	0.347	3.0
Plastic bags	1.651	0.650	0.657	0.462	5.7
Plastic films and non-rigid sheets	1.651	0.650	0.657	0.462	5.7

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Plastic and foam building and construction materials	1.650	0.651	0.658	0.463	5.7
Plastic profile shapes	1.651	0.650	0.657	0.462	5.7
Foam products (except for construction)	1.651	0.650	0.657	0.462	5.7
Plastic bottles	1.651	0.650	0.657	0.462	5.7
Motor vehicle plastic parts	1.651	0.650	0.657	0.462	5.7
Plastic products, n.e.c.	1.644	0.647	0.654	0.460	5.7
Tires	1.285	0.563	0.509	0.281	2.7
Rubber and plastic hoses and belts	1.290	0.566	0.515	0.286	2.8
Rubber products, n.e.c.	1.300	0.572	0.522	0.295	3.0
Waste and scrap of plastic and rubber	1.651	0.650	0.657	0.462	5.7
Cement	1.707	0.766	0.778	0.391	4.2
Ready-mixed concrete	1.706	0.766	0.778	0.391	4.2
Concrete products	1.708	0.766	0.778	0.391	4.2
Clay and ceramic products and refractories	1.577	0.736	0.744	0.435	5.6
Glass (including automotive), glass products and glass containers	1.576	0.733	0.741	0.440	5.6
Waste and scrap of glass	NA	NA	NA	NA	NA
Lime and gypsum products	1.577	0.736	0.744	0.435	5.6
Non-metallic mineral products, n.e.c.	1.577	0.736	0.744	0.436	5.6
Iron and steel basic shapes and ferro-alloy products	1.611	0.705	0.712	0.425	3.9
Iron and steel pipes and tubes (except castings)	1.601	0.528	0.535	0.402	3.7
Cold-rolled iron or steel products	1.576	0.564	0.571	0.463	4.3
Bauxite and aluminum oxide	NA	NA	NA	NA	NA
Unwrought aluminum including alloys	1.195	0.405	0.409	0.188	2.5
Basic and semi-finished products of aluminum and alloys	1.195	0.405	0.409	0.188	2.5
Unwrought copper including alloys	NA	NA	NA	NA	NA
Unwrought nickel including alloys	1.268	0.193	0.196	0.126	1.1
Unwrought precious metals including alloys	NA	NA	NA	NA	NA
Other unwrought non-ferrous metals including alloys	1.268	0.193	0.196	0.126	1.1
Gold, store of value	NA	NA	NA	NA	NA
Basic and semi-finished products of non-ferrous metals and alloys (except aluminum)	1.268	0.193	0.196	0.126	1.1
Ferrous metal castings	1.501	0.755	0.760	0.599	7.1
Non-ferrous metal castings	NA	NA	NA	NA	NA
Waste and scrap of iron and steel	1.606	0.525	0.532	0.401	3.7
Waste and scrap of non-ferrous metals	1.195	0.405	0.409	0.188	2.5
Forged and stamped metal products	1.452	0.728	0.734	0.528	5.8
Prefabricated metal buildings and other non-wood buildings, and components	1.568	0.654	0.658	0.475	5.4
Fabricated steel plate and other fabricated structural metal	1.558	0.656	0.660	0.474	5.4
Metal windows and doors	1.580	0.654	0.659	0.474	5.5
Other architectural metal products	1.539	0.656	0.661	0.467	5.2
Light gauge metal containers, crowns and closures	1.446	0.630	0.634	0.428	4.3
Boilers, tanks and heavy gauge metal containers	1.456	0.638	0.642	0.435	4.6
Builders, motor vehicle and other hardware	1.561	0.659	0.664	0.481	5.5
Springs and wire products	1.479	0.642	0.647	0.573	5.4
Threaded metal fasteners and other turned metal products including automotive	1.523	0.752	0.757	0.577	6.8
Coating, engraving, heat treating and similar metal processing services	1.465	0.744	0.750	0.557	6.1
Hand tools, kitchen utensils and cutlery (except precious metal)	1.482	0.715	0.720	0.516	5.7
Metal valves and pipe fittings	1.432	0.662	0.666	0.449	4.7
Ball and roller bearings	1.442	0.677	0.680	0.455	4.7
Guns, ammunition and other munitions	1.442	0.677	0.680	0.455	4.7
Fabricated metal products, n.e.c.	1.511	0.702	0.707	0.514	5.9
Agricultural, lawn and garden machinery and equipment	1.315	0.567	0.570	0.370	4.0
Logging, mining and construction machinery and equipment	1.316	0.574	0.577	0.374	4.0

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Other industry-specific machinery	1.253	0.530	0.533	0.364	4.1
Commercial and service industry machinery	1.313	0.580	0.583	0.333	3.7
Industrial and commercial fans, blowers and air purification equipment	1.320	0.708	0.709	0.416	4.8
Heating and cooling equipment (except household refrigerators and freezers)	1.323	0.706	0.707	0.416	4.8
Metalworking machinery and industrial moulds	1.480	0.732	0.738	0.520	5.7
Turbines, turbine generators, and turbine generator sets (except aircraft turbines)	NA	NA	NA	NA	NA
Other engine and power transmission equipment	1.307	0.571	0.573	0.239	2.1
Pumps and compressors (except fluid power)	1.352	0.621	0.624	0.385	3.6
Material handling equipment	1.356	0.614	0.617	0.386	3.7
Other miscellaneous general-purpose machinery	1.425	0.687	0.692	0.466	4.9
Computers, computer peripherals and parts	1.473	0.703	0.706	0.594	4.6
Telephone apparatus	1.341	0.631	0.635	0.451	5.5
Other communications equipment	1.297	0.617	0.620	0.373	4.2
Audio and video equipment and unrecorded media	1.261	0.600	0.600	0.305	3.3
Navigational and guidance instruments	1.247	0.601	0.603	0.285	2.8
Medical devices	1.282	0.618	0.620	0.322	3.5
Measuring, control and scientific instruments	1.277	0.605	0.607	0.312	3.2
Printed and integrated circuits, semiconductors and printed circuit assemblies	1.352	0.587	0.579	0.443	6.7
Other electronic components	1.343	0.527	0.522	0.454	5.9
Electric light bulbs and tubes	1.316	0.567	0.579	0.308	2.9
Lighting fixtures	1.332	0.595	0.606	0.317	3.3
Small electric appliances	1.302	0.649	0.655	0.449	7.0
Major appliances	NA	NA	NA	NA	NA
Power, distribution and other transformers	1.282	0.467	0.469	0.392	3.3
Electric motors and generators	1.282	0.467	0.469	0.392	3.3
Switchgear, switchboards, relays and industrial control apparatus	1.286	0.484	0.486	0.385	3.3
Batteries and battery chargers	1.383	0.686	0.691	0.345	4.6
Communication and electric wire and cable	1.373	0.679	0.684	0.341	4.5
Wiring devices	1.375	0.669	0.674	0.349	4.5
Other electrical equipment and components	1.328	0.566	0.570	0.371	3.9
Passenger cars	NA	NA	NA	NA	NA
Light-duty trucks, vans and sport utility vehicles (SUVs)	NA	NA	NA	NA	NA
Medium and heavy-duty trucks	1.353	0.650	0.652	0.315	7.9
Buses	NA	NA	NA	NA	NA
Motor vehicle bodies and special purpose motor vehicles	1.307	0.483	0.487	0.360	4.0
Freight and utility trailers	1.305	0.480	0.484	0.359	4.0
Motor homes, travel trailers and camping trailers	1.305	0.480	0.484	0.359	4.0
Motor vehicle gasoline engines and engine parts	1.489	0.537	0.537	0.423	5.9
Motor vehicle electrical and electronic equipment	1.271	0.641	0.644	0.293	3.1
Motor vehicle steering and suspension components	1.280	0.433	0.436	0.304	3.6
Motor vehicle brakes and brake systems	1.380	0.491	0.496	0.299	5.0
Motor vehicle transmission and drive train components	1.218	0.389	0.392	0.272	3.5
Motor vehicle interior trim, seats and seat parts	1.264	0.756	0.764	0.532	9.0
Motor vehicle metal stampings	1.414	0.736	0.741	0.551	6.5
Other miscellaneous motor vehicle parts	1.482	0.768	0.772	0.663	6.5
Aircraft	1.360	0.619	0.621	0.463	3.9
Aircraft engines	1.360	0.619	0.621	0.463	3.9
Aircraft parts and other aerospace equipment	1.360	0.619	0.621	0.463	3.9
Locomotives, railway rolling stock, and rapid transit equipment	NA	NA	NA	NA	NA
Parts of railway rolling stock	NA	NA	NA	NA	NA
Ships	NA	NA	NA	NA	NA
Boats and personal watercraft	1.350	0.694	0.699	0.475	7.3
Other transportation equipment and related parts	NA	NA	NA	NA	NA
Wood cabinets and counter tops	1.417	0.628	0.634	0.470	8.0
Household furniture	1.363	0.611	0.617	0.458	8.1

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Institutional and other furniture, n.e.c.	1.404	0.702	0.707	0.516	7.6
Office furniture	1.409	0.694	0.699	0.505	7.5
Office and store fixtures	1.422	0.697	0.702	0.510	7.3
Mattresses and foundations	1.191	0.389	0.394	0.223	2.9
Blinds, shades, and curtain fixtures	1.185	0.381	0.386	0.215	2.7
Medical, dental and personal safety supplies, instruments and equipment	1.497	0.719	0.724	0.549	8.1
Jewellery and silverware	1.489	0.684	0.690	0.471	6.4
Sporting and athletic goods	1.489	0.684	0.690	0.471	6.4
Toys and games	1.489	0.684	0.690	0.471	6.4
Office supplies (except paper)	1.458	0.747	0.753	0.497	6.4
Signs	1.486	0.689	0.695	0.473	6.5
Other miscellaneous manufactured products	1.501	0.716	0.719	0.497	7.0
Custom manufacturing services (except printing, finishing of textiles and metals)	1.515	0.708	0.714	0.488	5.8
Wholesale margins - farm products	1.556	0.881	0.889	0.503	5.6
Wholesale margins - petroleum and petroleum products	1.529	0.847	0.858	0.366	3.5
Wholesale margins - food, beverages and tobacco products	1.527	0.846	0.853	0.511	7.0
Wholesale margins - personal and household goods	1.528	0.939	0.944	0.666	7.2
Wholesale margins - motor vehicles, motor vehicle parts and accessories	1.507	0.931	0.935	0.682	7.0
Wholesale margins - building materials and supplies	1.494	0.943	0.948	0.630	7.1
Wholesale margins - machinery, equipment and supplies	1.483	0.973	0.977	0.669	6.5
Wholesale margins - miscellaneous products	1.527	0.895	0.900	0.545	5.7
Wholesale trade commissions	1.543	0.890	0.896	0.582	7.3
Retail margins - motor vehicles and parts	1.511	0.934	0.941	0.678	9.0
Retail margins - furniture and home furnishings	1.629	0.878	0.885	0.591	9.4
Retail margins - electronics and appliances	1.521	0.903	0.908	0.584	8.5
Retail margins - building materials, garden equipment and supplies	1.521	0.902	0.909	0.564	9.3
Retail margins - food and beverages	1.488	0.938	0.943	0.654	10.8
Retail margins - health and personal care products	1.548	0.916	0.922	0.621	9.3
Retail margins - automotive fuels	1.453	0.908	0.914	0.453	7.0
Retail margins - clothing and clothing accessories	1.621	0.919	0.925	0.583	10.5
Retail margins - sporting and leisure products	1.584	0.937	0.943	0.702	12.0
Retail margins - miscellaneous products (except cannabis)	1.561	0.920	0.927	0.612	10.5
Retail margins - cannabis products (licensed)	1.706	0.915	0.923	0.701	13.1
Retail margins - cannabis products (unlicensed)	1.532	1.130	1.133	0.992	12.1
Retail margins - household fuels	1.597	0.925	0.931	0.724	8.6
Used motor vehicles	NA	NA	NA	NA	NA
Other used consumer goods	NA	NA	NA	NA	NA
Retail trade commissions	1.507	0.901	0.907	0.593	9.6
Air passenger transportation services	1.699	0.727	0.735	0.407	5.3
Air freight transportation services	1.699	0.727	0.735	0.407	5.3
Air specialty services	1.684	0.750	0.761	0.452	5.9
Rail passenger transportation services	1.505	0.904	0.925	0.370	3.2
Rail freight transportation services	1.505	0.904	0.925	0.370	3.2
Water passenger transportation services	1.379	0.772	0.783	0.598	17.4
Water freight transportation services	1.489	0.861	0.869	0.681	12.4
Moving services	1.878	0.770	0.803	0.521	6.0
Road transportation services for general freight	1.869	0.773	0.806	0.522	6.1
Road transportation services for specialized freight	1.879	0.770	0.803	0.520	6.1
Urban transit services	2.226	2.550	1.091	2.137	19.9
Interurban and rural bus passenger transportation services	1.434	0.911	0.918	0.674	12.0
School bus services	1.436	0.934	0.938	0.646	9.8
Other transit and passenger transportation services by road	1.446	0.938	0.923	0.690	11.8
Scenic and sightseeing tour services	1.426	0.895	0.916	0.659	11.9

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Taxi and limousine services	1.700	0.793	0.821	0.593	14.6
Transportation of natural gas by pipeline	1.158	0.986	0.987	0.226	1.9
Transportation of crude oil and other commodities by pipeline	1.444	0.891	0.897	0.318	2.6
Air transportation support services	1.672	0.764	0.773	0.455	5.7
Aircraft maintenance and repair services	1.615	0.740	0.748	0.459	5.4
Rail transportation support, maintenance and repair services	1.660	0.777	0.787	0.461	5.7
Water transportation support, maintenance and repair services	1.639	0.826	0.835	0.546	6.0
Road transportation support services	1.625	0.813	0.822	0.490	5.7
Freight transportation arrangement and customs brokering services	1.667	0.774	0.784	0.468	5.9
Other transportation support services	1.667	0.772	0.782	0.466	5.8
Postal services	1.483	1.009	1.021	0.979	10.7
Courier, parcel, and local messenger and delivery services	1.665	0.846	0.862	0.538	8.4
Grain storage	1.343	0.938	0.942	0.569	9.2
Warehousing and storage services (except grain storage)	1.563	0.869	0.885	0.551	8.0
Newspapers	1.581	0.820	0.824	0.546	7.7
Advertising space in printed newspapers	1.581	0.820	0.824	0.546	7.7
Periodicals	1.476	0.846	0.850	0.477	5.6
Books	1.435	0.904	0.908	0.507	5.0
Other published products	1.453	0.816	0.820	0.468	5.4
Advertising space in printed periodicals and in other printed publications	1.454	0.846	0.851	0.454	5.1
Licensing of rights for commercial use of literary works (except software) and artistic works	1.705	0.872	0.877	0.620	5.5
General purpose software	1.458	0.919	0.917	0.618	5.2
Recorded movies, television programs and videos	NA	NA	NA	NA	NA
Movie, television program and video production, post-production and editing services	1.665	0.773	0.663	0.683	9.6
Licensing of rights for commercial use of dramatic works, and other copyrighted property n.e.c.	1.663	0.774	0.664	0.680	9.6
Admissions to motion picture film exhibitions	1.395	0.716	0.714	0.338	6.0
Recorded music and other sound recordings	1.388	0.663	0.669	0.477	13.1
Audio recording services and copyright administration	1.410	0.685	0.689	0.513	12.4
Licensing of rights for commercial use of musical works and sound recordings	1.407	0.649	0.656	0.509	14.4
Advertising air time on radio	1.403	0.766	0.764	0.505	6.8
Advertising air time on television	1.404	0.760	0.757	0.501	6.6
Fees for the distribution of television and radio program channels (affiliation payments)	1.342	0.470	0.460	0.234	3.9
Fixed telecommunications services (except Internet access)	1.230	0.778	0.779	0.211	2.1
Mobile telecommunications services	1.230	0.778	0.779	0.211	2.1
Broadcasting and online games distribution services	1.230	0.778	0.779	0.211	2.1
Fixed Internet access services	1.230	0.778	0.779	0.211	2.1
Data processing, hosting, and related services (except software as a service, on cloud)	1.461	0.896	0.898	0.540	5.5
Subscriptions for online content	NA	NA	NA	NA	NA
Internet advertising	1.636	0.861	0.866	0.575	5.5
Other information services	1.874	0.899	0.904	0.583	5.7
Central banking services	1.501	0.896	0.913	0.663	2.6
Local credit union services - explicit charges (fees)	1.623	0.897	0.912	0.740	7.8
Banking and other depository credit intermediation services - explicit charges	1.367	0.963	0.971	0.519	4.6
Non-depository credit intermediation services - explicit charges (fees)	1.501	0.893	0.905	0.493	4.8
Other services related to credit intermediation	1.643	0.796	0.822	0.538	7.2
Investment banking services	1.578	0.924	0.939	0.552	5.0
Security brokerage and securities dealing services	1.689	0.903	0.922	0.570	5.2

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Portfolio management services	1.727	0.901	0.918	0.571	5.3
Investment counselling services	1.710	0.900	0.920	0.570	5.2
Holding company services and other financial investment and related activities	1.773	0.913	0.928	0.730	7.3
Life insurance services	1.806	0.896	0.912	0.533	6.0
Health and accident insurance services	1.806	0.896	0.912	0.533	6.0
Vehicle insurance services	1.806	0.896	0.912	0.533	6.0
Property insurance services	1.806	0.896	0.912	0.533	6.0
Liability and other property and casualty insurance services	1.806	0.896	0.912	0.534	6.0
Insurance brokerage and other services related to insurance	1.563	0.999	1.016	0.789	9.2
Trusteed pension fund services	2.015	0.843	0.873	0.621	5.7
Mutual funds (cost of service) and other similar services	2.015	0.843	0.873	0.621	5.7
Deposit intermediation services indirectly measured (FISIM)	1.386	0.958	0.966	0.536	4.9
Residential mortgage intermediation services indirectly measured (FISIM)	1.391	0.956	0.964	0.537	4.9
Other loan intermediation services indirectly measured (FISIM)	1.435	0.930	0.940	0.515	4.8
Rental of residential real estate	1.545	0.983	0.993	0.480	3.5
Rental of non-residential real estate	1.541	0.957	0.967	0.490	4.0
Imputed rental of owner-occupied dwellings	1.628	1.259	1.263	1.023	2.5
Real estate brokerage and other services related to real estate	1.623	0.888	0.901	0.562	7.5
Rental and operating leasing services of motor vehicles	1.558	0.861	0.876	0.418	4.8
Computer equipment rental and leasing services	NA	NA	NA	NA	NA
Office machinery and equipment (except computer equipment) rental and leasing services	NA	NA	NA	NA	NA
Rental and operating leasing services of commercial and industrial machinery and equipment	1.526	0.859	0.873	0.479	5.3
Rental and operating leasing services of other goods	1.505	0.854	0.868	0.471	6.2
Licensing of rights for commercial use of non-financial intangible assets (except software and other copyright licensing)	1.580	0.837	0.844	0.468	5.7
Legal services	1.571	1.088	1.092	0.843	7.1
Accounting, tax preparation, bookkeeping and payroll services	1.547	0.983	0.987	0.749	8.3
Architectural, engineering and related services	1.547	0.908	0.912	0.684	7.1
Specialized design services	1.601	0.881	0.887	0.613	9.6
Custom software design and development services	1.447	0.886	0.885	0.541	6.0
Own-account software design and development services	1.547	0.913	0.920	0.583	6.1
Computer systems design and related services (except software development)	1.448	0.887	0.886	0.545	6.0
Management, scientific and technical consulting services	1.553	0.935	0.938	0.647	7.2
Research and development services	1.451	1.034	0.954	0.519	5.4
Own-account research and development (except software development)	1.440	0.919	0.924	0.526	5.3
Advertising, public relations, and related services	1.609	0.891	0.860	0.608	7.6
Photographic services	1.677	0.862	0.868	0.629	8.5
Veterinary services	1.709	0.855	0.860	0.611	7.1
Other professional, scientific and technical services	1.690	0.863	0.869	0.614	7.2
Holding company services (imputed)	1.609	0.962	0.966	0.823	8.5
Head office services (imputed)	1.577	0.843	0.851	0.460	4.4
Office administrative services	1.553	0.930	0.935	0.636	6.7
Employment services	1.562	0.951	0.955	0.707	7.3
Business support services	1.518	0.895	0.903	0.611	7.4

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Travel arrangement, reservation and planning services	1.647	0.874	0.880	0.587	6.0
Investigation and security services	1.398	0.946	0.950	0.752	13.9
Services to buildings and dwellings	1.561	0.837	0.851	0.586	9.2
Facilities and other support services	1.491	0.896	0.901	0.395	4.4
Waste management and remediation services	1.596	0.865	0.874	0.464	5.3
Tuition and similar fees for elementary and secondary schools	1.384	1.012	1.018	0.868	12.4
Tuition and similar fees for colleges and C.E.G.E.P.s	1.443	1.033	1.040	0.812	8.6
Tuition and similar fees for universities	1.339	0.993	1.000	0.601	6.4
Tuition and similar fees for trade, technical and professional training	1.591	0.931	0.941	0.731	12.2
Other educational training and services	1.659	0.926	0.938	0.737	12.8
Physician services	1.339	1.020	1.028	0.546	5.4
Dental services	1.470	0.883	0.898	0.537	6.1
Other health practitioner services	1.367	1.039	1.044	0.918	12.9
Medical laboratory diagnostic and testing services	1.367	1.039	1.044	0.918	12.9
Ambulance services	1.378	1.031	1.036	0.909	12.6
Hospital services	1.456	0.964	0.967	0.833	8.7
Nursing and residential care services	1.438	0.994	1.004	0.843	12.2
Child day-care services	1.586	0.913	0.930	0.742	13.6
Other ambulatory health care services and social assistance services	1.550	0.944	0.955	0.789	11.6
Admissions to live sporting events	1.552	0.890	0.876	0.639	10.0
Admissions to live performing arts performances	1.543	0.885	0.879	0.640	9.9
Sport and performing arts event organization services	1.489	0.917	0.919	0.623	8.3
Career management and representation services of public figures	1.569	0.883	0.864	0.645	10.5
Contract production of live performing arts performances, live sporting events and copyrighted works	1.546	0.888	0.871	0.634	10.0
Sporting event media rights	1.547	0.897	0.882	0.633	9.6
Heritage institution services	1.535	0.907	0.913	0.631	8.2
Amusement and recreational services	1.540	0.856	0.869	0.590	10.3
Gambling (net wagers)	1.578	0.747	0.765	0.563	9.2
Room or unit accommodation services for travellers	1.401	0.839	0.853	0.503	8.6
Recreational vehicle park and recreational camp services	1.476	0.769	0.795	0.431	6.7
Rooming and boarding services	1.442	0.818	0.839	0.500	7.9
Prepared meals	1.571	0.761	0.771	0.561	12.0
Alcoholic beverages for immediate consumption	1.562	0.766	0.777	0.556	11.6
Motor vehicle repair and maintenance services	1.521	0.886	0.894	0.637	7.9
Repair and maintenance services (except for buildings and transportation equipment)	1.491	0.898	0.907	0.586	7.2
Funeral services	1.403	0.856	0.860	0.448	6.9
Laundry, dry-cleaning and related services	1.507	0.831	0.843	0.504	7.9
Hair care and aesthetic services	1.566	0.886	0.894	0.691	13.5
Parking services	1.537	0.914	0.922	0.637	9.2
Other personal and personal care services	1.553	0.878	0.887	0.664	12.7
Other membership services	1.646	0.934	0.900	0.819	8.9
Babysitting services	1.270	1.164	1.165	1.117	30.3
Private household services (except babysitting)	1.270	1.164	1.165	1.117	30.3
Sales of other services by Non-Profit Institutions Serving Households	1.675	0.834	0.854	0.645	10.9
Sales of other government services	1.714	0.939	0.944	0.690	6.2
Repair and maintenance	NA	NA	NA	NA	NA
Operating supplies	NA	NA	NA	NA	NA
Office supplies	NA	NA	NA	NA	NA
Advertising, promotion, meals and entertainment	NA	NA	NA	NA	NA
Travel, meetings and conventions	NA	NA	NA	NA	NA
Transportation margins	NA	NA	NA	NA	NA

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Educational services provided by Non-Profit Institutions Serving Households	1.406	0.939	0.951	0.815	18.2
Ambulatory health care services provided by Non-Profit Institutions Serving Households	1.620	0.869	0.879	0.730	8.5
Social assistance services provided by Non-Profit Institutions Serving Households	1.426	1.016	1.024	0.908	13.5
Arts, entertainment and recreation services provided by Non-Profit Institutions Serving Households	1.540	0.844	0.864	0.659	10.8
Religious services	1.570	0.878	0.892	0.697	10.6
Grant-making, civic, and professional and similar organization services	1.689	0.841	0.860	0.670	9.3
Labour organization membership services	1.689	0.841	0.860	0.670	9.3
Political organization services	1.689	0.841	0.860	0.670	9.3
Other services provided by Non-Profit Institutions Serving Households	1.702	0.808	0.832	0.593	12.5
Elementary and secondary school services provided by governments	1.376	1.040	1.044	0.889	10.1
Community college and C0E0G0E0P services provided by governments	1.443	1.033	1.040	0.812	8.6
University services provided by governments	1.339	0.993	1.000	0.601	6.4
Other educational services provided by governments	1.532	1.016	1.024	0.755	4.1
Hospital services provided by governments	1.456	0.964	0.967	0.833	8.7
Residential care facility services provided by governments	1.503	1.076	1.081	0.959	7.9
Defence services	1.514	0.934	0.940	0.732	6.9
Other federal government services	1.617	0.965	0.969	0.777	6.6
Other provincial and territorial government services	1.879	0.899	0.905	0.582	5.7
Other municipal government services	1.436	0.977	0.982	0.581	5.2
Other aboriginal government services	1.812	0.896	0.904	0.677	10.5

**Table 10: Alberta Type I Multipliers (Commodities)
Open Model – Direct and Indirect Impacts**

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Canola (including rapeseed)	1.518	1.546	1.549	1.567	1.9
Oilseeds (except canola)	1.529	1.570	1.573	1.594	1.9
Wheat	1.518	1.546	1.549	1.567	1.9
Grains (except wheat)	1.518	1.546	1.549	1.567	1.9
Fresh potatoes	1.518	1.546	1.549	1.567	1.9
Fresh fruit and nuts	1.518	1.546	1.549	1.567	1.9
Other miscellaneous crop products	1.518	1.546	1.549	1.567	1.9
Fresh vegetables (except potatoes)	1.504	1.531	1.533	1.508	1.4
Imputed feed (animal feed produced for own consumption)	1.518	1.546	1.549	1.567	1.9
Floriculture and nursery products (except cannabis), and sod	1.448	1.478	1.477	1.339	1.1
Cannabis plants, seeds and flowering tops	1.389	1.351	1.344	1.386	1.1
Cattle and calves	2.360	12.979	13.547	5.117	2.0
Unprocessed milk	2.360	12.979	13.547	5.117	2.0
Hogs	2.360	12.979	13.547	5.117	2.0
Eggs in shell	2.360	12.979	13.547	5.117	2.0
Poultry	2.360	12.979	13.547	5.117	2.0
Other live animals	2.360	12.979	13.547	5.117	2.0
Raw furskins, and animal products n.e.c.	2.270	5.799	5.903	3.386	1.8
Imputed fertilizer (fertilizer produced for own consumption)	2.360	12.979	13.547	5.117	2.0
Logs and bolts	1.745	1.927	1.907	1.748	1.6
Pulpwood	1.736	1.914	1.893	1.728	1.6
Fuel wood	1.727	1.884	1.871	1.746	1.7
Rough untreated poles, posts and piling	1.865	2.099	2.107	2.049	2.2
Fish, crustaceans, shellfish and other fishery products	1.513	1.656	1.649	1.442	1.2
Custom work services for forestry	1.736	1.914	1.893	1.728	1.6
Support services for crop production	1.459	1.418	1.428	1.376	1.4
Support services for animal production, hunting and fishing	2.193	3.945	4.103	2.741	1.8
Support services for forestry	1.520	1.530	1.521	1.353	1.3
Conventional crude oil	1.498	1.679	1.673	1.718	2.3
Synthetic crude oil	1.285	1.257	1.258	2.209	4.0
Natural gas	1.498	1.679	1.673	1.718	2.3
Natural gas liquids and related products	1.555	1.747	1.741	1.837	2.5
Crude and diluted bitumen	1.285	1.257	1.258	2.209	4.0
Coal	1.681	1.821	1.806	1.924	2.6
Iron ores and concentrates	NA	NA	NA	NA	NA
Gold and silver ores and concentrates	1.316	1.266	1.261	1.416	1.1
Copper ores and concentrates	NA	NA	NA	NA	NA
Nickel ores and concentrates	NA	NA	NA	NA	NA
Lead and zinc ores and concentrates	NA	NA	NA	NA	NA
Radioactive ores and concentrates	NA	NA	NA	NA	NA
Other metal ores and concentrates	NA	NA	NA	NA	NA
Stone	1.334	1.294	1.293	1.314	1.4
Sand, gravel, clay, and refractory minerals	1.445	1.428	1.422	1.553	1.6
Uncut and industrial diamonds	NA	NA	NA	NA	NA
Potash	NA	NA	NA	NA	NA
Non-metallic minerals (except diamonds)	1.394	1.407	1.407	1.665	1.7
Support services for oil and gas extraction (except exploration)	1.196	1.135	1.136	1.127	1.1
Support services for mining and quarrying (except exploration)	1.329	1.292	1.292	1.274	1.4
Oil and gas and mineral exploration	1.442	1.527	1.525	1.643	2.1
Electricity	1.448	1.376	1.378	1.438	1.7
Natural gas distribution	1.207	1.128	1.129	1.388	1.5

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Water delivered by water works and irrigation systems	1.353	1.270	1.268	1.280	1.4
Sewage and dirty water disposal and cleaning services	1.268	1.198	1.199	1.218	1.3
Steam and heated or cooled air or water	1.517	1.469	1.458	1.520	1.8
Residential buildings	1.445	1.486	1.490	1.441	1.4
Industrial buildings (except mine buildings)	1.420	1.586	1.589	1.497	1.6
Office buildings	1.420	1.586	1.589	1.497	1.6
Shopping centres, plazas, malls and stores	1.420	1.586	1.589	1.497	1.6
Other commercial buildings	1.420	1.586	1.589	1.497	1.6
Schools, colleges, universities and other educational buildings	1.420	1.586	1.589	1.497	1.6
Health care buildings, nursing homes and senior citizen homes	1.420	1.586	1.589	1.497	1.6
Other institutional buildings	1.420	1.586	1.589	1.497	1.6
Highways, roads, streets, bridges and tunnels	1.652	2.265	2.266	2.079	1.8
Other land transportation civil engineering works	1.652	2.265	2.266	2.079	1.8
Oil and gas extraction sites and structures	1.437	1.624	1.626	1.476	1.5
Other oil and gas engineering works	1.437	1.624	1.626	1.476	1.5
Electric power engineering works	1.312	1.270	1.273	1.365	1.3
Communications networks	1.313	1.646	1.645	1.648	1.5
Marine engineering works	1.492	1.630	1.630	1.535	1.4
Waterworks engineering works	1.492	1.630	1.630	1.535	1.4
Sewage engineering works	1.492	1.630	1.630	1.535	1.4
Mining engineering works	1.492	1.630	1.630	1.535	1.4
Other civil engineering works	1.492	1.630	1.630	1.535	1.4
Repair construction services	1.481	1.551	1.554	1.394	1.4
Dog and cat food	1.646	2.247	2.247	2.336	1.9
Other animal feed	1.646	2.247	2.247	2.336	1.9
Flour and other grain mill products	1.859	3.587	3.592	6.666	5.4
Margarine and cooking oils	1.868	3.657	3.663	7.176	6.0
Breakfast cereal and other cereal products	1.867	3.661	3.667	7.201	6.0
Grain and oilseed products, n.e.c.	1.867	3.615	3.620	7.105	6.0
Sugar and sugar mill by-products	1.295	1.595	1.595	1.436	1.4
Chocolate (except confectionery)	1.295	1.595	1.595	1.436	1.4
Confectionery products	1.295	1.595	1.595	1.436	1.4
Fresh, frozen and canned fruit and vegetable juices	1.579	1.785	1.787	1.854	1.9
Preserved fruit and vegetables and frozen foods	1.562	1.731	1.732	1.813	1.8
Processed fluid milk and milk products	2.217	2.372	2.372	3.062	6.0
Cheese and cheese products	2.217	2.372	2.372	3.062	6.0
Butter and dry and canned dairy products	2.214	2.380	2.380	3.076	6.0
Ice cream, sherbet and similar frozen desserts	2.217	2.372	2.372	3.062	6.0
Fresh and frozen beef and veal	2.239	2.549	2.550	3.062	4.1
Fresh and frozen pork	2.239	2.549	2.550	3.062	4.1
Fresh and frozen poultry of all types	2.239	2.549	2.550	3.062	4.1
Processed meat products, other miscellaneous meats and animal by-products	2.191	2.488	2.490	2.941	3.8
Prepared and packaged seafood products	1.238	1.266	1.268	1.395	2.1
Bread, rolls and flatbreads	1.358	1.388	1.391	1.365	1.3
Cookies, crackers and baked sweet goods	1.363	1.396	1.398	1.373	1.3
Flour mixes, dough and dry pasta	1.372	1.383	1.385	1.417	1.3
Snack food products	1.362	1.333	1.333	1.456	1.3
Coffee and tea	1.361	1.338	1.339	1.443	1.3
Flavouring syrups, seasonings and dressings	1.410	1.447	1.448	1.532	1.4
Other food products, n.e.c.	1.431	1.448	1.448	1.555	1.5
Carbonated and non-carbonated drinks, bottled water and ice	1.466	1.729	1.728	1.617	1.5
Beer	1.287	1.236	1.240	1.491	1.4
Wine and brandy	1.287	1.236	1.240	1.491	1.4
Distilled liquor	1.313	1.264	1.263	1.517	1.4
Stemmed, redried or reconstituted tobacco	1.463	1.541	1.539	1.401	0.0
Cigarettes, cigars, chewing and smoking tobacco	1.463	1.541	1.539	1.401	0.0
Cannabis products (except seeds, plants, and plant parts)	NA	NA	NA	NA	NA

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Fibre, yarn and thread	1.275	1.385	1.383	1.245	1.2
Fabrics	1.275	1.385	1.383	1.245	1.2
Carpets, rugs and mats	1.275	1.385	1.383	1.245	1.2
Other textile furnishings	1.265	1.346	1.346	1.221	1.1
Textile products, n.e.c.	1.289	1.387	1.386	1.259	1.2
Fabric weaving and finishing services	1.275	1.385	1.383	1.245	1.2
Men's, women's, boys' and girls' clothing	1.356	1.459	1.457	1.284	1.2
Infant clothing	NA	NA	NA	NA	NA
Clothing accessories	1.356	1.459	1.457	1.284	1.2
Leather and dressed furs	1.356	1.459	1.457	1.284	1.2
Footwear	1.356	1.459	1.457	1.284	1.2
Suitcases, handbags and other leather and allied products	1.356	1.459	1.457	1.284	1.2
Hardwood lumber	NA	NA	NA	NA	NA
Softwood lumber	1.906	2.163	2.184	2.177	2.6
Wood chips	1.896	2.145	2.165	2.161	2.5
Other sawmill products and treated wood products	1.906	2.163	2.184	2.177	2.6
Veneer and plywood	1.626	1.729	1.738	1.770	1.9
Wood trusses and engineered wood members	1.627	1.733	1.742	1.761	1.8
Reconstituted wood products	1.627	1.735	1.744	1.757	1.8
Wood windows and doors	1.493	1.677	1.678	1.399	1.3
Wood containers and pallets	1.640	1.857	1.862	1.586	1.4
Prefabricated wood and manufactured (mobile) buildings and components	1.633	1.847	1.853	1.583	1.4
Wood products, n.e.c.	1.637	1.839	1.845	1.588	1.4
Waste and scrap of wood and wood by-products	1.892	2.144	2.164	2.136	2.4
Wood pulp	1.693	2.058	2.078	2.272	3.4
Paper (except newsprint)	1.715	2.344	2.349	2.006	1.9
Newsprint	1.693	2.058	2.078	2.272	3.4
Paperboard	NA	NA	NA	NA	NA
Paperboard containers	1.278	1.433	1.437	1.342	1.4
Paper office supplies	1.319	1.340	1.343	1.287	1.2
Disposable diapers and feminine hygiene products	NA	NA	NA	NA	NA
Sanitary paper products	NA	NA	NA	NA	NA
Other converted paper products	1.278	1.433	1.437	1.342	1.4
Waste and scrap of paper and paperboard	1.278	1.433	1.437	1.342	1.4
Printed products	1.327	1.331	1.334	1.282	1.2
Printing support services	1.328	1.333	1.337	1.283	1.2
Contract printing services for publishers	1.392	1.412	1.416	1.351	1.3
Motor gasoline	1.865	3.044	3.046	9.927	15.0
Diesel and biodiesel fuels	1.865	3.048	3.051	9.989	15.1
Light fuel oils	1.865	3.048	3.051	9.989	15.1
Aviation fuel	1.863	3.007	3.008	9.404	14.4
Heavy fuel oils	1.865	3.048	3.051	9.989	15.1
Lubricants and other petroleum refinery products	1.845	2.837	2.842	6.862	9.8
Asphalt (except natural) and asphalt products	1.797	2.713	2.715	2.935	2.7
Coke and other coke oven products	1.408	1.407	1.410	2.117	2.6
Solid fuel products, n.e.c.	1.886	2.139	2.159	2.111	2.4
Petrochemicals	1.796	2.088	2.083	3.714	6.6
Industrial gases	1.791	2.041	2.036	3.579	6.3
Dyes and pigments	NA	NA	NA	NA	NA
Other basic inorganic chemicals and nuclear fuel	1.760	2.038	2.033	3.445	5.8
Basic organic chemicals, n.e.c.	1.784	2.014	2.011	3.464	6.1
Plastic resins	1.731	1.717	1.728	2.538	4.5
Rubber and rubber compounds and mixtures	1.204	1.256	1.298	1.330	1.4
Artificial and synthetic fibres and filaments	NA	NA	NA	NA	NA
Ammonia and chemical fertilizers	1.574	1.813	1.799	2.073	2.3
Pesticides and other agricultural chemicals	1.575	1.813	1.799	2.075	2.3
Pharmaceutical and medicinal products	1.344	1.478	1.482	1.400	1.5
Paints, coatings and adhesive products	1.348	1.340	1.367	1.416	1.3
Soaps and cleaning compounds	1.368	1.503	1.507	1.402	1.4
Perfumes and toiletries	1.364	1.481	1.485	1.394	1.4
Chemical products, n.e.c.	1.413	1.830	1.851	1.509	1.7
Plastic bags	1.530	1.757	1.757	1.404	1.3
Plastic films and non-rigid sheets	1.530	1.757	1.757	1.404	1.3

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Plastic and foam building and construction materials	1.528	1.753	1.753	1.404	1.3
Plastic profile shapes	1.530	1.757	1.757	1.404	1.3
Foam products (except for construction)	1.530	1.757	1.757	1.404	1.3
Plastic bottles	1.530	1.757	1.757	1.404	1.3
Motor vehicle plastic parts	1.530	1.757	1.757	1.404	1.3
Plastic products, n.e.c.	1.523	1.748	1.747	1.400	1.3
Tires	1.204	1.256	1.298	1.330	1.4
Rubber and plastic hoses and belts	1.207	1.259	1.300	1.329	1.4
Rubber products, n.e.c.	1.216	1.269	1.309	1.335	1.4
Waste and scrap of plastic and rubber	1.530	1.757	1.757	1.404	1.3
Cement	1.593	1.717	1.718	1.882	1.8
Ready-mixed concrete	1.592	1.715	1.717	1.877	1.8
Concrete products	1.594	1.718	1.720	1.885	1.9
Clay and ceramic products and refractories	1.470	1.534	1.537	1.522	1.4
Glass (including automotive), glass products and glass containers	1.466	1.533	1.537	1.510	1.4
Waste and scrap of glass	NA	NA	NA	NA	NA
Lime and gypsum products	1.470	1.534	1.537	1.522	1.4
Non-metallic mineral products, n.e.c.	1.469	1.533	1.536	1.520	1.4
Iron and steel basic shapes and ferro-alloy products	1.497	1.572	1.575	1.623	1.7
Iron and steel pipes and tubes (except castings)	1.481	1.974	1.986	1.638	1.8
Cold-rolled iron or steel products	1.443	1.776	1.785	1.460	1.6
Bauxite and aluminum oxide	NA	NA	NA	NA	NA
Unwrought aluminum including alloys	1.153	1.273	1.274	1.396	1.3
Basic and semi-finished products of aluminum and alloys	1.153	1.273	1.274	1.396	1.3
Unwrought copper including alloys	NA	NA	NA	NA	NA
Unwrought nickel including alloys	1.229	2.617	2.618	2.245	3.0
Unwrought precious metals including alloys	NA	NA	NA	NA	NA
Other unwrought non-ferrous metals including alloys	1.229	2.617	2.618	2.245	3.0
Gold, store of value	NA	NA	NA	NA	NA
Basic and semi-finished products of non-ferrous metals and alloys (except aluminum)	1.229	2.617	2.618	2.245	3.0
Ferrous metal castings	1.347	1.368	1.371	1.252	1.2
Non-ferrous metal castings	NA	NA	NA	NA	NA
Waste and scrap of iron and steel	1.487	2.009	2.022	1.651	1.9
Waste and scrap of non-ferrous metals	1.153	1.273	1.274	1.396	1.3
Forged and stamped metal products	1.316	1.343	1.344	1.251	1.2
Prefabricated metal buildings and other non-wood buildings, and components	1.429	1.586	1.590	1.476	1.5
Fabricated steel plate and other fabricated structural metal	1.419	1.562	1.567	1.461	1.5
Metal windows and doors	1.444	1.607	1.611	1.458	1.4
Other architectural metal products	1.400	1.528	1.532	1.442	1.4
Light gauge metal containers, crowns and closures	1.319	1.399	1.402	1.354	1.4
Boilers, tanks and heavy gauge metal containers	1.328	1.409	1.412	1.361	1.4
Builders, motor vehicle and other hardware	1.421	1.564	1.568	1.454	1.4
Springs and wire products	1.314	1.426	1.429	1.246	1.3
Threaded metal fasteners and other turned metal products including automotive	1.353	1.395	1.399	1.287	1.3
Coating, engraving, heat treating and similar metal processing services	1.322	1.343	1.344	1.242	1.2
Hand tools, kitchen utensils and cutlery (except precious metal)	1.326	1.369	1.372	1.303	1.3
Metal valves and pipe fittings	1.294	1.353	1.356	1.321	1.3
Ball and roller bearings	1.300	1.345	1.348	1.325	1.4
Guns, ammunition and other munitions	1.300	1.345	1.348	1.325	1.4
Fabricated metal products, n.e.c.	1.360	1.427	1.431	1.338	1.3
Agricultural, lawn and garden machinery and equipment	1.201	1.319	1.322	1.291	1.3
Logging, mining and construction machinery and equipment	1.200	1.305	1.308	1.285	1.3

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Other industry-specific machinery	1.144	1.236	1.239	1.204	1.2
Commercial and service industry machinery	1.211	1.288	1.291	1.346	1.4
Industrial and commercial fans, blowers and air purification equipment	1.207	1.209	1.212	1.217	1.2
Heating and cooling equipment (except household refrigerators and freezers)	1.210	1.213	1.215	1.220	1.2
Metalworking machinery and industrial moulds	1.319	1.353	1.355	1.293	1.3
Turbines, turbine generators, and turbine generator sets (except aircraft turbines)	NA	NA	NA	NA	NA
Other engine and power transmission equipment	1.228	1.301	1.304	1.629	2.0
Pumps and compressors (except fluid power)	1.228	1.286	1.288	1.313	1.4
Material handling equipment	1.234	1.301	1.303	1.317	1.4
Other miscellaneous general-purpose machinery	1.283	1.326	1.328	1.294	1.3
Computers, computer peripherals and parts	1.260	1.315	1.317	1.214	1.4
Telephone apparatus	1.204	1.273	1.275	1.193	1.2
Other communications equipment	1.182	1.233	1.235	1.224	1.2
Audio and video equipment and unrecorded media	1.169	1.207	1.210	1.281	1.3
Navigational and guidance instruments	1.158	1.191	1.193	1.286	1.4
Medical devices	1.187	1.224	1.226	1.297	1.4
Measuring, control and scientific instruments	1.181	1.234	1.236	1.308	1.4
Printed and integrated circuits, semiconductors and printed circuit assemblies	1.243	1.333	1.344	1.262	1.2
Other electronic components	1.220	1.360	1.371	1.230	1.2
Electric light bulbs and tubes	1.216	1.313	1.309	1.374	1.6
Lighting fixtures	1.233	1.313	1.310	1.369	1.4
Small electric appliances	1.188	1.214	1.214	1.182	1.1
Major appliances	NA	NA	NA	NA	NA
Power, distribution and other transformers	1.153	1.295	1.297	1.192	1.3
Electric motors and generators	1.153	1.295	1.297	1.192	1.3
Switchgear, switchboards, relays and industrial control apparatus	1.160	1.290	1.292	1.201	1.3
Batteries and battery chargers	1.287	1.312	1.314	1.355	1.3
Communication and electric wire and cable	1.277	1.303	1.305	1.351	1.3
Wiring devices	1.276	1.311	1.313	1.340	1.3
Other electrical equipment and components	1.214	1.305	1.307	1.257	1.3
Passenger cars	NA	NA	NA	NA	NA
Light-duty trucks, vans and sport utility vehicles (SUVs)	NA	NA	NA	NA	NA
Medium and heavy-duty trucks	1.278	1.341	1.347	1.411	1.1
Buses	NA	NA	NA	NA	NA
Motor vehicle bodies and special purpose motor vehicles	1.198	1.393	1.394	1.274	1.3
Freight and utility trailers	1.196	1.396	1.397	1.272	1.3
Motor homes, travel trailers and camping trailers	1.196	1.396	1.397	1.272	1.3
Motor vehicle gasoline engines and engine parts	1.377	1.624	1.601	1.408	1.3
Motor vehicle electrical and electronic equipment	1.185	1.208	1.209	1.339	1.4
Motor vehicle steering and suspension components	1.192	1.318	1.318	1.292	1.3
Motor vehicle brakes and brake systems	1.309	1.541	1.541	1.597	1.3
Motor vehicle transmission and drive train components	1.144	1.300	1.301	1.253	1.2
Motor vehicle interior trim, seats and seat parts	1.143	1.118	1.119	1.101	1.1
Motor vehicle metal stampings	1.282	1.283	1.285	1.205	1.2
Other miscellaneous motor vehicle parts	1.266	1.267	1.270	1.174	1.2
Aircraft	1.230	1.284	1.286	1.247	1.4
Aircraft engines	1.230	1.284	1.286	1.247	1.4
Aircraft parts and other aerospace equipment	1.230	1.284	1.286	1.247	1.4
Locomotives, railway rolling stock, and rapid transit equipment	NA	NA	NA	NA	NA
Parts of railway rolling stock	NA	NA	NA	NA	NA
Ships	NA	NA	NA	NA	NA
Boats and personal watercraft	1.240	1.250	1.251	1.214	1.1
Other transportation equipment and related parts	NA	NA	NA	NA	NA
Wood cabinets and counter tops	1.309	1.379	1.381	1.248	1.1
Household furniture	1.258	1.321	1.322	1.202	1.1

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Institutional and other furniture, n.e.c.	1.270	1.290	1.292	1.211	1.1
Office furniture	1.280	1.306	1.308	1.223	1.1
Office and store fixtures	1.288	1.316	1.318	1.235	1.2
Mattresses and foundations	1.137	1.225	1.224	1.176	1.1
Blinds, shades, and curtain fixtures	1.133	1.220	1.219	1.174	1.1
Medical, dental and personal safety supplies, instruments and equipment	1.363	1.431	1.433	1.330	1.3
Jewellery and silverware	1.366	1.432	1.433	1.374	1.3
Sporting and athletic goods	1.366	1.432	1.433	1.374	1.3
Toys and games	1.366	1.432	1.433	1.374	1.3
Office supplies (except paper)	1.329	1.331	1.332	1.304	1.3
Signs	1.363	1.422	1.424	1.367	1.3
Other miscellaneous manufactured products	1.375	1.428	1.432	1.368	1.3
Custom manufacturing services (except printing, finishing of textiles and metals)	1.375	1.434	1.437	1.359	1.3
Wholesale margins - farm products	1.407	1.405	1.405	1.438	1.4
Wholesale margins - petroleum and petroleum products	1.411	1.414	1.411	1.755	2.0
Wholesale margins - food, beverages and tobacco products	1.405	1.352	1.353	1.349	1.3
Wholesale margins - personal and household goods	1.335	1.290	1.291	1.222	1.2
Wholesale margins - motor vehicles, motor vehicle parts and accessories	1.301	1.256	1.256	1.194	1.2
Wholesale margins - building materials and supplies	1.311	1.254	1.256	1.215	1.2
Wholesale margins - machinery, equipment and supplies	1.266	1.211	1.213	1.174	1.2
Wholesale margins - miscellaneous products	1.363	1.327	1.329	1.312	1.3
Wholesale trade commissions	1.383	1.361	1.361	1.324	1.3
Retail margins - motor vehicles and parts	1.326	1.285	1.286	1.215	1.2
Retail margins - furniture and home furnishings	1.485	1.530	1.530	1.429	1.3
Retail margins - electronics and appliances	1.377	1.357	1.358	1.310	1.2
Retail margins - building materials, garden equipment and supplies	1.389	1.363	1.364	1.330	1.2
Retail margins - food and beverages	1.349	1.304	1.306	1.238	1.1
Retail margins - health and personal care products	1.405	1.385	1.386	1.310	1.2
Retail margins - automotive fuels	1.342	1.302	1.303	1.390	1.2
Retail margins - clothing and clothing accessories	1.477	1.497	1.500	1.411	1.2
Retail margins - sporting and leisure products	1.417	1.396	1.398	1.271	1.1
Retail margins - miscellaneous products (except cannabis)	1.413	1.399	1.400	1.329	1.2
Retail margins - cannabis products (licensed)	1.531	1.619	1.618	1.388	1.2
Retail margins - cannabis products (unlicensed)	1.271	1.213	1.215	1.099	1.1
Retail margins - household fuels	1.404	1.395	1.396	1.276	1.2
Used motor vehicles	NA	NA	NA	NA	NA
Other used consumer goods	NA	NA	NA	NA	NA
Retail trade commissions	1.365	1.324	1.324	1.278	1.2
Air passenger transportation services	1.598	1.674	1.673	1.525	1.4
Air freight transportation services	1.598	1.674	1.673	1.525	1.4
Air specialty services	1.567	1.619	1.615	1.455	1.4
Rail passenger transportation services	1.381	1.272	1.267	1.404	1.6
Rail freight transportation services	1.381	1.272	1.267	1.404	1.6
Water passenger transportation services	1.241	1.205	1.204	1.146	1.0
Water freight transportation services	1.310	1.282	1.282	1.211	1.1
Moving services	1.715	1.887	1.849	1.644	1.6
Road transportation services for general freight	1.706	1.861	1.826	1.630	1.6
Road transportation services for specialized freight	1.716	1.887	1.850	1.648	1.6
Urban transit services	1.630	1.169	1.785	1.106	1.1
Interurban and rural bus passenger transportation services	1.293	1.211	1.212	1.135	1.1
School bus services	1.285	1.206	1.208	1.157	1.1
Other transit and passenger transportation services by road	1.296	1.209	1.216	1.137	1.1
Scenic and sightseeing tour services	1.289	1.212	1.208	1.136	1.1

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Taxi and limousine services	1.547	1.672	1.646	1.430	1.2
Transportation of natural gas by pipeline	1.086	1.048	1.049	1.180	1.3
Transportation of crude oil and other commodities by pipeline	1.335	1.276	1.277	1.676	2.2
Air transportation support services	1.551	1.654	1.658	1.670	1.6
Aircraft maintenance and repair services	1.492	1.587	1.591	1.582	1.6
Rail transportation support, maintenance and repair services	1.534	1.626	1.630	1.692	1.7
Water transportation support, maintenance and repair services	1.486	1.525	1.529	1.493	1.6
Road transportation support services	1.490	1.516	1.521	1.555	1.6
Freight transportation arrangement and customs brokering services	1.541	1.646	1.651	1.693	1.6
Other transportation support services	1.541	1.652	1.658	1.706	1.7
Postal services	1.266	1.170	1.170	1.088	1.1
Courier, parcel, and local messenger and delivery services	1.545	1.539	1.536	1.474	1.3
Grain storage	1.220	1.164	1.166	1.161	1.1
Warehousing and storage services (except grain storage)	1.423	1.345	1.346	1.305	1.2
Newspapers	1.477	1.499	1.504	1.452	1.4
Advertising space in printed newspapers	1.477	1.499	1.504	1.452	1.4
Periodicals	1.378	1.363	1.365	1.405	1.4
Books	1.311	1.264	1.266	1.299	1.4
Other published products	1.353	1.345	1.348	1.372	1.4
Advertising space in printed periodicals and in other printed publications	1.359	1.347	1.348	1.409	1.4
Licensing of rights for commercial use of literary works (except software) and artistic works	1.514	1.639	1.638	1.407	1.7
General purpose software	1.248	1.229	1.232	1.195	1.3
Recorded movies, television programs and videos	NA	NA	NA	NA	NA
Movie, television program and video production, post-production and editing services	1.506	1.741	2.017	1.433	1.4
Licensing of rights for commercial use of dramatic works, and other copyrighted property n.e.c.	1.504	1.734	2.004	1.433	1.4
Admissions to motion picture film exhibitions	1.312	1.348	1.336	1.566	1.3
Recorded music and other sound recordings	1.277	1.340	1.338	1.281	1.1
Audio recording services and copyright administration	1.290	1.346	1.342	1.283	1.2
Licensing of rights for commercial use of musical works and sound recordings	1.290	1.372	1.369	1.276	1.1
Advertising air time on radio	1.284	1.286	1.278	1.306	1.3
Advertising air time on television	1.285	1.289	1.281	1.311	1.3
Fees for the distribution of television and radio program channels (affiliation payments)	1.290	1.485	1.442	2.088	1.7
Fixed telecommunications services (except Internet access)	1.175	1.164	1.165	1.396	1.5
Mobile telecommunications services	1.175	1.164	1.165	1.396	1.5
Broadcasting and online games distribution services	1.175	1.164	1.165	1.396	1.5
Fixed Internet access services	1.175	1.164	1.165	1.396	1.5
Data processing, hosting, and related services (except software as a service, on cloud)	1.290	1.269	1.272	1.267	1.3
Subscriptions for online content	NA	NA	NA	NA	NA
Internet advertising	1.473	1.546	1.546	1.409	1.6
Other information services	1.695	2.431	2.441	2.310	2.9
Central banking services	1.284	1.269	1.263	1.188	3.5
Local credit union services - explicit charges (fees)	1.421	1.442	1.439	1.288	1.3
Banking and other depository credit intermediation services - explicit charges	1.215	1.163	1.164	1.201	1.3
Non-depository credit intermediation services - explicit charges (fees)	1.356	1.346	1.343	1.433	1.5
Other services related to credit intermediation	1.499	1.684	1.654	1.620	1.5
Investment banking services	1.410	1.369	1.368	1.400	1.5
Security brokerage and securities dealing services	1.513	1.525	1.521	1.523	1.6

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Portfolio management services	1.550	1.638	1.633	1.641	1.8
Investment counselling services	1.533	1.569	1.564	1.576	1.7
Holding company services and other financial investment and related activities	1.540	1.624	1.620	1.417	1.5
Life insurance services	1.653	2.021	2.013	2.788	2.9
Health and accident insurance services	1.653	2.021	2.013	2.788	2.9
Vehicle insurance services	1.653	2.021	2.013	2.788	2.9
Property insurance services	1.653	2.021	2.013	2.788	2.9
Liability and other property and casualty insurance services	1.652	2.019	2.012	2.780	2.9
Insurance brokerage and other services related to insurance	1.322	1.279	1.274	1.197	1.2
Trusteed pension fund services	1.814	2.456	2.384	1.979	2.1
Mutual funds (cost of service) and other similar services	1.814	2.456	2.384	1.979	2.1
Deposit intermediation services indirectly measured (FISIM)	1.230	1.179	1.179	1.209	1.3
Residential mortgage intermediation services indirectly measured (FISIM)	1.235	1.184	1.185	1.215	1.3
Other loan intermediation services indirectly measured (FISIM)	1.284	1.242	1.242	1.294	1.4
Rental of residential real estate	1.360	1.286	1.286	1.457	2.4
Rental of non-residential real estate	1.363	1.298	1.298	1.431	1.9
Imputed rental of owner-occupied dwellings	1.134	1.081	1.082	1.060	0.0
Real estate brokerage and other services related to real estate	1.467	1.492	1.486	1.462	1.4
Rental and operating leasing services of motor vehicles	1.439	1.450	1.444	1.695	1.7
Computer equipment rental and leasing services	NA	NA	NA	NA	NA
Office machinery and equipment (except computer equipment) rental and leasing services	NA	NA	NA	NA	NA
Rental and operating leasing services of commercial and industrial machinery and equipment	1.380	1.361	1.358	1.400	1.4
Rental and operating leasing services of other goods	1.372	1.355	1.352	1.395	1.3
Licensing of rights for commercial use of non-financial intangible assets (except software and other copyright licensing)	1.441	1.472	1.473	1.477	1.4
Legal services	1.255	1.198	1.199	1.143	1.2
Accounting, tax preparation, bookkeeping and payroll services	1.324	1.281	1.283	1.203	1.2
Architectural, engineering and related services	1.332	1.316	1.317	1.236	1.3
Specialized design services	1.440	1.455	1.457	1.370	1.2
Custom software design and development services	1.281	1.268	1.271	1.259	1.3
Own-account software design and development services	1.378	1.358	1.359	1.355	1.4
Computer systems design and related services (except software development)	1.280	1.267	1.270	1.257	1.3
Management, scientific and technical consulting services	1.357	1.328	1.330	1.288	1.3
Research and development services	1.285	1.202	1.228	1.288	1.4
Own-account research and development (except software development)	1.291	1.243	1.245	1.267	1.3
Advertising, public relations, and related services	1.453	1.463	1.497	1.406	1.4
Photographic services	1.501	1.595	1.596	1.466	1.4
Veterinary services	1.533	1.673	1.675	1.545	1.6
Other professional, scientific and technical services	1.513	1.621	1.623	1.506	1.5
Holding company services (imputed)	1.348	1.335	1.336	1.218	1.3
Head office services (imputed)	1.429	1.440	1.440	1.521	1.6
Office administrative services	1.358	1.330	1.332	1.285	1.3
Employment services	1.358	1.326	1.328	1.255	1.3
Business support services	1.352	1.329	1.329	1.283	1.3

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Travel arrangement, reservation and planning services	1.468	1.522	1.524	1.454	1.6
Investigation and security services	1.230	1.185	1.186	1.130	1.1
Services to buildings and dwellings	1.417	1.436	1.432	1.355	1.3
Facilities and other support services	1.374	1.348	1.350	1.598	1.7
Waste management and remediation services	1.453	1.459	1.459	1.601	1.7
Tuition and similar fees for elementary and secondary schools	1.191	1.141	1.140	1.098	1.1
Tuition and similar fees for colleges and C.E.G.E.P.s	1.233	1.170	1.170	1.129	1.1
Tuition and similar fees for universities	1.184	1.122	1.122	1.127	1.2
Tuition and similar fees for trade, technical and professional training	1.412	1.404	1.402	1.265	1.2
Other educational training and services	1.480	1.511	1.508	1.316	1.2
Physician services	1.156	1.107	1.107	1.129	1.2
Dental services	1.317	1.301	1.298	1.287	1.3
Other health practitioner services	1.148	1.100	1.101	1.064	1.1
Medical laboratory diagnostic and testing services	1.148	1.100	1.101	1.064	1.1
Ambulance services	1.161	1.112	1.113	1.073	1.1
Hospital services	1.256	1.246	1.248	1.210	1.3
Nursing and residential care services	1.224	1.163	1.163	1.125	1.1
Child day-care services	1.409	1.411	1.404	1.270	1.2
Other ambulatory health care services and social assistance services	1.359	1.353	1.352	1.243	1.2
Admissions to live sporting events	1.408	1.398	1.411	1.336	1.3
Admissions to live performing arts performances	1.396	1.391	1.399	1.316	1.2
Sport and performing arts event organization services	1.334	1.295	1.297	1.259	1.2
Career management and representation services of public figures	1.430	1.431	1.449	1.359	1.3
Contract production of live performing arts performances, live sporting events and copyrighted works	1.407	1.395	1.409	1.340	1.3
Sporting event media rights	1.403	1.383	1.396	1.337	1.3
Heritage institution services	1.373	1.366	1.366	1.304	1.3
Amusement and recreational services	1.395	1.412	1.407	1.341	1.2
Gambling (net wagers)	1.449	1.656	1.639	1.502	1.4
Room or unit accommodation services for travellers	1.286	1.238	1.235	1.252	1.2
Recreational vehicle park and recreational camp services	1.371	1.390	1.375	1.465	1.3
Rooming and boarding services	1.323	1.289	1.283	1.297	1.2
Prepared meals	1.438	1.431	1.427	1.314	1.2
Alcoholic beverages for immediate consumption	1.431	1.427	1.423	1.322	1.2
Motor vehicle repair and maintenance services	1.343	1.325	1.326	1.246	1.2
Repair and maintenance services (except for buildings and transportation equipment)	1.323	1.287	1.287	1.246	1.2
Funeral services	1.296	1.255	1.256	1.351	1.3
Laundry, dry-cleaning and related services	1.377	1.344	1.341	1.324	1.2
Hair care and aesthetic services	1.393	1.382	1.382	1.271	1.1
Parking services	1.367	1.332	1.332	1.291	1.2
Other personal and personal care services	1.388	1.373	1.373	1.276	1.2
Other membership services	1.427	1.416	1.449	1.261	1.3
Babysitting services	NA	NA	NA	NA	NA
Private household services (except babysitting)	NA	NA	NA	NA	NA
Sales of other services by Non-Profit Institutions Serving Households	1.525	1.673	1.656	1.437	1.3
Sales of other government services	1.509	1.641	1.645	1.507	1.8
Repair and maintenance	NA	NA	NA	NA	NA
Operating supplies	NA	NA	NA	NA	NA
Office supplies	NA	NA	NA	NA	NA
Advertising, promotion, meals and entertainment	NA	NA	NA	NA	NA
Travel, meetings and conventions	NA	NA	NA	NA	NA
Transportation margins	NA	NA	NA	NA	NA

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Educational services provided by Non-Profit Institutions Serving Households	1.232	1.184	1.180	1.116	1.1
Ambulatory health care services provided by Non-Profit Institutions Serving Households	1.428	1.459	1.458	1.300	1.3
Social assistance services provided by Non-Profit Institutions Serving Households	1.222	1.164	1.164	1.100	1.1
Arts, entertainment and recreation services provided by Non-Profit Institutions Serving Households	1.388	1.435	1.426	1.274	1.2
Religious services	1.420	1.438	1.435	1.277	1.2
Grant-making, civic, and professional and similar organization services	1.534	1.689	1.673	1.432	1.4
Labour organization membership services	1.534	1.689	1.673	1.432	1.4
Political organization services	1.534	1.689	1.673	1.432	1.4
Other services provided by Non-Profit Institutions Serving Households	1.559	1.788	1.760	1.541	1.2
Elementary and secondary school services provided by governments	1.175	1.127	1.126	1.091	1.1
Community college and C0E0G0E0P services provided by governments	1.233	1.170	1.170	1.129	1.1
University services provided by governments	1.184	1.122	1.122	1.127	1.2
Other educational services provided by governments	1.266	1.210	1.210	1.173	1.7
Hospital services provided by governments	1.256	1.246	1.248	1.210	1.3
Residential care facility services provided by governments	1.198	1.150	1.151	1.116	1.2
Defence services	1.325	1.262	1.263	1.198	1.3
Other federal government services	1.391	1.368	1.370	1.279	1.5
Other provincial and territorial government services	1.701	2.469	2.479	2.363	2.9
Other municipal government services	1.267	1.197	1.199	1.217	1.3
Other aboriginal government services	1.656	1.957	1.959	1.813	1.7

**Table 11: Alberta Type II Multipliers (Commodities)
Closed Model – Direct, Indirect and Induced Impacts**

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Canola (including rapeseed)	1.740	1.852	1.855	1.975	2.4
Oilseeds (except canola)	1.749	1.878	1.881	2.009	2.4
Wheat	1.740	1.852	1.855	1.975	2.4
Grains (except wheat)	1.740	1.852	1.855	1.975	2.4
Fresh potatoes	1.740	1.852	1.855	1.975	2.4
Fresh fruit and nuts	1.740	1.852	1.855	1.975	2.4
Other miscellaneous crop products	1.740	1.852	1.855	1.975	2.4
Fresh vegetables (except potatoes)	1.741	1.853	1.855	1.900	1.6
Imputed feed (animal feed produced for own consumption)	1.740	1.852	1.855	1.975	2.4
Floriculture and nursery products (except cannabis), and sod	1.756	1.876	1.871	1.683	1.2
Cannabis plants, seeds and flowering tops	1.645	1.618	1.604	1.742	1.2
Cattle and calves	2.579	16.154	16.868	6.433	2.2
Unprocessed milk	2.579	16.154	16.868	6.433	2.2
Hogs	2.579	16.154	16.868	6.433	2.2
Eggs in shell	2.579	16.154	16.868	6.433	2.2
Poultry	2.579	16.154	16.868	6.433	2.2
Other live animals	2.579	16.154	16.868	6.433	2.2
Raw furskins, and animal products n.e.c.	2.504	7.251	7.384	4.253	2.1
Imputed fertilizer (fertilizer produced for own consumption)	2.579	16.154	16.868	6.433	2.2
Logs and bolts	1.972	2.302	2.269	2.131	1.9
Pulpwood	1.962	2.287	2.252	2.106	1.9
Fuel wood	1.952	2.251	2.227	2.136	2.0
Rough untreated poles, posts and piling	2.091	2.498	2.500	2.498	2.6
Fish, crustaceans, shellfish and other fishery products	1.731	2.076	2.060	1.811	1.3
Custom work services for forestry	1.962	2.287	2.252	2.106	1.9
Support services for crop production	1.720	1.726	1.741	1.733	1.7
Support services for animal production, hunting and fishing	2.439	4.931	5.139	3.446	2.0
Support services for forestry	1.789	1.888	1.870	1.687	1.6
Conventional crude oil	1.723	2.006	1.996	2.120	2.9
Synthetic crude oil	1.389	1.356	1.358	2.746	5.2
Natural gas	1.723	2.006	1.996	2.120	2.9
Natural gas liquids and related products	1.762	2.057	2.047	2.266	3.2
Crude and diluted bitumen	1.389	1.356	1.358	2.746	5.2
Coal	1.932	2.221	2.197	2.395	3.3
Iron ores and concentrates	NA	NA	NA	NA	NA
Gold and silver ores and concentrates	1.467	1.428	1.419	1.772	1.2
Copper ores and concentrates	NA	NA	NA	NA	NA
Nickel ores and concentrates	NA	NA	NA	NA	NA
Lead and zinc ores and concentrates	NA	NA	NA	NA	NA
Radioactive ores and concentrates	NA	NA	NA	NA	NA
Other metal ores and concentrates	NA	NA	NA	NA	NA
Stone	1.592	1.550	1.547	1.641	1.7
Sand, gravel, clay, and refractory minerals	1.651	1.656	1.645	1.927	2.0
Uncut and industrial diamonds	NA	NA	NA	NA	NA
Potash	NA	NA	NA	NA	NA
Non-metallic minerals (except diamonds)	1.568	1.607	1.605	2.055	2.1
Support services for oil and gas extraction (except exploration)	1.486	1.375	1.376	1.406	1.4
Support services for mining and quarrying (except exploration)	1.650	1.609	1.608	1.595	1.9
Oil and gas and mineral exploration	1.660	1.806	1.801	2.034	2.8
Electricity	1.685	1.620	1.621	1.763	2.2
Natural gas distribution	1.349	1.236	1.238	1.717	1.8

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Water delivered by water works and irrigation systems	1.594	1.495	1.489	1.571	1.7
Sewage and dirty water disposal and cleaning services	1.533	1.419	1.420	1.491	1.7
Steam and heated or cooled air or water	1.730	1.718	1.699	1.870	2.2
Residential buildings	1.707	1.840	1.844	1.799	1.7
Industrial buildings (except mine buildings)	1.667	1.985	1.988	1.875	2.0
Office buildings	1.667	1.985	1.988	1.875	2.0
Shopping centres, plazas, malls and stores	1.667	1.985	1.988	1.875	2.0
Other commercial buildings	1.667	1.985	1.988	1.875	2.0
Schools, colleges, universities and other educational buildings	1.667	1.985	1.988	1.875	2.0
Health care buildings, nursing homes and senior citizen homes	1.667	1.985	1.988	1.875	2.0
Other institutional buildings	1.667	1.985	1.988	1.875	2.0
Highways, roads, streets, bridges and tunnels	1.876	2.775	2.773	2.586	2.1
Other land transportation civil engineering works	1.876	2.775	2.773	2.586	2.1
Oil and gas extraction sites and structures	1.731	2.050	2.052	1.833	1.9
Other oil and gas engineering works	1.731	2.050	2.052	1.833	1.9
Electric power engineering works	1.519	1.487	1.490	1.702	1.6
Communications networks	1.482	2.014	2.010	2.054	1.8
Marine engineering works	1.741	2.018	2.016	1.905	1.6
Waterworks engineering works	1.741	2.018	2.016	1.905	1.6
Sewage engineering works	1.741	2.018	2.016	1.905	1.6
Mining engineering works	1.741	2.018	2.016	1.905	1.6
Other civil engineering works	1.741	2.018	2.016	1.905	1.6
Repair construction services	1.772	1.967	1.968	1.732	1.7
Dog and cat food	1.788	2.660	2.656	2.906	2.2
Other animal feed	1.788	2.660	2.656	2.906	2.2
Flour and other grain mill products	2.005	4.166	4.170	8.343	6.7
Margarine and cooking oils	2.014	4.245	4.249	8.982	7.5
Breakfast cereal and other cereal products	2.013	4.250	4.254	9.014	7.5
Grain and oilseed products, n.e.c.	2.013	4.193	4.196	8.893	7.5
Sugar and sugar mill by-products	1.456	1.973	1.971	1.764	1.6
Chocolate (except confectionery)	1.456	1.973	1.971	1.764	1.6
Confectionery products	1.456	1.973	1.971	1.764	1.6
Fresh, frozen and canned fruit and vegetable juices	1.756	2.112	2.111	2.282	2.2
Preserved fruit and vegetables and frozen foods	1.738	2.043	2.043	2.232	2.1
Processed fluid milk and milk products	2.395	2.802	2.801	3.766	6.9
Cheese and cheese products	2.395	2.802	2.801	3.766	6.9
Butter and dry and canned dairy products	2.391	2.811	2.809	3.783	6.9
Ice cream, sherbet and similar frozen desserts	2.395	2.802	2.801	3.766	6.9
Fresh and frozen beef and veal	2.409	3.062	3.064	3.793	4.6
Fresh and frozen pork	2.409	3.062	3.064	3.793	4.6
Fresh and frozen poultry of all types	2.409	3.062	3.064	3.793	4.6
Processed meat products, other miscellaneous meats and animal by-products	2.362	2.987	2.988	3.642	4.3
Prepared and packaged seafood products	1.398	1.471	1.474	1.744	2.9
Bread, rolls and flatbreads	1.545	1.659	1.661	1.674	1.4
Cookies, crackers and baked sweet goods	1.550	1.668	1.670	1.685	1.4
Flour mixes, dough and dry pasta	1.549	1.627	1.627	1.739	1.5
Snack food products	1.527	1.534	1.533	1.787	1.5
Coffee and tea	1.529	1.546	1.546	1.772	1.5
Flavouring syrups, seasonings and dressings	1.580	1.693	1.692	1.879	1.6
Other food products, n.e.c.	1.600	1.686	1.686	1.911	1.7
Carbonated and non-carbonated drinks, bottled water and ice	1.643	2.098	2.094	1.979	1.7
Beer	1.396	1.353	1.359	1.804	1.6
Wine and brandy	1.396	1.353	1.359	1.804	1.6
Distilled liquor	1.456	1.415	1.411	1.880	1.6
Stemmed, redried or reconstituted tobacco	1.728	1.917	1.913	1.750	0.0
Cigarettes, cigars, chewing and smoking tobacco	1.728	1.917	1.913	1.750	0.0
Cannabis products (except seeds, plants, and plant parts)	NA	NA	NA	NA	NA

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Fibre, yarn and thread	1.534	1.811	1.807	1.557	1.3
Fabrics	1.534	1.811	1.807	1.557	1.3
Carpets, rugs and mats	1.534	1.811	1.807	1.557	1.3
Other textile furnishings	1.510	1.723	1.721	1.523	1.3
Textile products, n.e.c.	1.546	1.792	1.789	1.571	1.3
Fabric weaving and finishing services	1.534	1.811	1.807	1.557	1.3
Men's, women's, boys' and girls' clothing	1.659	1.917	1.911	1.602	1.3
Infant clothing	NA	NA	NA	NA	NA
Clothing accessories	1.659	1.917	1.911	1.602	1.3
Leather and dressed furs	1.659	1.917	1.911	1.602	1.3
Footwear	1.659	1.917	1.911	1.602	1.3
Suitcases, handbags and other leather and allied products	1.659	1.917	1.911	1.602	1.3
Hardwood lumber	NA	NA	NA	NA	NA
Softwood lumber	2.132	2.570	2.589	2.655	3.1
Wood chips	2.121	2.548	2.566	2.636	3.0
Other sawmill products and treated wood products	2.132	2.570	2.589	2.655	3.1
Veneer and plywood	1.814	2.027	2.035	2.164	2.3
Wood trusses and engineered wood members	1.817	2.034	2.043	2.154	2.2
Reconstituted wood products	1.818	2.039	2.047	2.149	2.2
Wood windows and doors	1.721	2.078	2.077	1.728	1.5
Wood containers and pallets	1.896	2.305	2.308	1.946	1.6
Prefabricated wood and manufactured (mobile) buildings and components	1.888	2.294	2.297	1.943	1.6
Wood products, n.e.c.	1.890	2.278	2.282	1.949	1.6
Waste and scrap of wood and wood by-products	2.118	2.551	2.569	2.606	2.9
Wood pulp	1.862	2.401	2.422	2.777	4.2
Paper (except newsprint)	1.897	2.779	2.779	2.455	2.3
Newsprint	1.862	2.401	2.422	2.777	4.2
Paperboard	NA	NA	NA	NA	NA
Paperboard containers	1.443	1.750	1.753	1.660	1.6
Paper office supplies	1.546	1.635	1.638	1.584	1.4
Disposable diapers and feminine hygiene products	NA	NA	NA	NA	NA
Sanitary paper products	NA	NA	NA	NA	NA
Other converted paper products	1.443	1.750	1.753	1.660	1.6
Waste and scrap of paper and paperboard	1.443	1.750	1.753	1.660	1.6
Printed products	1.564	1.624	1.627	1.577	1.4
Printing support services	1.565	1.627	1.630	1.578	1.4
Contract printing services for publishers	1.650	1.730	1.733	1.666	1.4
Motor gasoline	1.968	3.314	3.315	12.237	19.3
Diesel and biodiesel fuels	1.969	3.318	3.319	12.315	19.4
Light fuel oils	1.969	3.318	3.319	12.315	19.4
Aviation fuel	1.967	3.275	3.275	11.594	18.5
Heavy fuel oils	1.969	3.318	3.319	12.315	19.4
Lubricants and other petroleum refinery products	1.951	3.094	3.098	8.458	12.6
Asphalt (except natural) and asphalt products	1.936	3.062	3.061	3.603	3.3
Coke and other coke oven products	1.534	1.553	1.555	2.614	3.2
Solid fuel products, n.e.c.	2.114	2.549	2.567	2.576	2.8
Petrochemicals	1.925	2.317	2.308	4.577	8.4
Industrial gases	1.921	2.267	2.258	4.410	8.1
Dyes and pigments	NA	NA	NA	NA	NA
Other basic inorganic chemicals and nuclear fuel	1.889	2.269	2.260	4.245	7.3
Basic organic chemicals, n.e.c.	1.914	2.235	2.229	4.268	7.8
Plastic resins	1.840	1.871	1.882	3.121	5.9
Rubber and rubber compounds and mixtures	1.331	1.444	1.516	1.625	1.7
Artificial and synthetic fibres and filaments	NA	NA	NA	NA	NA
Ammonia and chemical fertilizers	1.741	2.097	2.076	2.556	2.9
Pesticides and other agricultural chemicals	1.741	2.097	2.075	2.559	2.9
Pharmaceutical and medicinal products	1.598	1.851	1.855	1.747	1.8
Paints, coatings and adhesive products	1.530	1.570	1.614	1.753	1.6
Soaps and cleaning compounds	1.574	1.860	1.863	1.749	1.7
Perfumes and toiletries	1.574	1.833	1.835	1.740	1.7
Chemical products, n.e.c.	1.578	2.271	2.298	1.870	2.2
Plastic bags	1.750	2.167	2.164	1.730	1.6
Plastic films and non-rigid sheets	1.750	2.167	2.164	1.730	1.6

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Plastic and foam building and construction materials	1.749	2.163	2.159	1.731	1.6
Plastic profile shapes	1.750	2.167	2.164	1.730	1.6
Foam products (except for construction)	1.750	2.167	2.164	1.730	1.6
Plastic bottles	1.750	2.167	2.164	1.730	1.6
Motor vehicle plastic parts	1.750	2.167	2.164	1.730	1.6
Plastic products, n.e.c.	1.743	2.156	2.153	1.725	1.5
Tires	1.331	1.444	1.516	1.625	1.7
Rubber and plastic hoses and belts	1.336	1.451	1.522	1.626	1.7
Rubber products, n.e.c.	1.350	1.468	1.538	1.635	1.7
Waste and scrap of plastic and rubber	1.750	2.167	2.164	1.730	1.6
Cement	1.777	1.993	1.991	2.319	2.2
Ready-mixed concrete	1.776	1.991	1.990	2.313	2.2
Concrete products	1.777	1.994	1.992	2.322	2.2
Clay and ceramic products and refractories	1.675	1.820	1.822	1.868	1.6
Glass (including automotive), glass products and glass containers	1.673	1.823	1.825	1.853	1.6
Waste and scrap of glass	NA	NA	NA	NA	NA
Lime and gypsum products	1.675	1.820	1.822	1.868	1.6
Non-metallic mineral products, n.e.c.	1.674	1.818	1.820	1.866	1.6
Iron and steel basic shapes and ferro-alloy products	1.676	1.843	1.844	1.958	2.1
Iron and steel pipes and tubes (except castings)	1.660	2.445	2.455	1.998	2.3
Cold-rolled iron or steel products	1.647	2.232	2.239	1.776	1.9
Bauxite and aluminum oxide	NA	NA	NA	NA	NA
Unwrought aluminum including alloys	1.239	1.446	1.447	1.698	1.5
Basic and semi-finished products of aluminum and alloys	1.239	1.446	1.447	1.698	1.5
Unwrought copper including alloys	NA	NA	NA	NA	NA
Unwrought nickel including alloys	1.286	3.155	3.147	2.752	3.8
Unwrought precious metals including alloys	NA	NA	NA	NA	NA
Other unwrought non-ferrous metals including alloys	1.286	3.155	3.147	2.752	3.8
Gold, store of value	NA	NA	NA	NA	NA
Basic and semi-finished products of non-ferrous metals and alloys (except aluminum)	1.286	3.155	3.147	2.752	3.8
Ferrous metal castings	1.621	1.712	1.715	1.529	1.4
Non-ferrous metal castings	NA	NA	NA	NA	NA
Waste and scrap of iron and steel	1.665	2.490	2.501	2.013	2.3
Waste and scrap of non-ferrous metals	1.239	1.446	1.447	1.698	1.5
Forged and stamped metal products	1.552	1.643	1.643	1.523	1.5
Prefabricated metal buildings and other non-wood buildings, and components	1.660	1.978	1.982	1.831	1.7
Fabricated steel plate and other fabricated structural metal	1.649	1.946	1.949	1.811	1.7
Metal windows and doors	1.674	2.001	2.004	1.806	1.7
Other architectural metal products	1.627	1.896	1.900	1.788	1.7
Light gauge metal containers, crowns and closures	1.517	1.705	1.708	1.665	1.7
Boilers, tanks and heavy gauge metal containers	1.532	1.722	1.725	1.677	1.7
Builders, motor vehicle and other hardware	1.654	1.949	1.953	1.800	1.7
Springs and wire products	1.570	1.837	1.838	1.520	1.6
Threaded metal fasteners and other turned metal products including automotive	1.634	1.763	1.766	1.597	1.5
Coating, engraving, heat treating and similar metal processing services	1.570	1.651	1.652	1.510	1.5
Hand tools, kitchen utensils and cutlery (except precious metal)	1.576	1.704	1.707	1.616	1.6
Metal valves and pipe fittings	1.509	1.661	1.664	1.636	1.6
Ball and roller bearings	1.519	1.648	1.651	1.641	1.7
Guns, ammunition and other munitions	1.519	1.648	1.651	1.641	1.7
Fabricated metal products, n.e.c.	1.610	1.784	1.787	1.659	1.6
Agricultural, lawn and garden machinery and equipment	1.380	1.608	1.611	1.602	1.5
Logging, mining and construction machinery and equipment	1.381	1.590	1.593	1.594	1.6

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Other industry-specific machinery	1.322	1.525	1.528	1.495	1.5
Commercial and service industry machinery	1.375	1.536	1.539	1.675	1.7
Industrial and commercial fans, blowers and air purification equipment	1.403	1.435	1.439	1.498	1.4
Heating and cooling equipment (except household refrigerators and freezers)	1.406	1.440	1.443	1.501	1.4
Metalworking machinery and industrial moulds	1.574	1.683	1.685	1.608	1.6
Turbines, turbine generators, and turbine generator sets (except aircraft turbines)	NA	NA	NA	NA	NA
Other engine and power transmission equipment	1.342	1.474	1.477	2.020	2.5
Pumps and compressors (except fluid power)	1.411	1.547	1.549	1.623	1.7
Material handling equipment	1.416	1.569	1.571	1.628	1.7
Other miscellaneous general-purpose machinery	1.506	1.624	1.627	1.602	1.6
Computers, computer peripherals and parts	1.546	1.712	1.715	1.511	1.8
Telephone apparatus	1.436	1.602	1.604	1.498	1.4
Other communications equipment	1.369	1.489	1.492	1.529	1.5
Audio and video equipment and unrecorded media	1.316	1.405	1.409	1.585	1.6
Navigational and guidance instruments	1.292	1.369	1.372	1.588	1.7
Medical devices	1.343	1.431	1.434	1.607	1.6
Measuring, control and scientific instruments	1.330	1.439	1.442	1.620	1.7
Printed and integrated circuits, semiconductors and printed circuit assemblies	1.470	1.685	1.707	1.573	1.4
Other electronic components	1.445	1.772	1.793	1.529	1.4
Electric light bulbs and tubes	1.366	1.551	1.541	1.710	1.9
Lighting fixtures	1.390	1.547	1.541	1.707	1.8
Small electric appliances	1.421	1.511	1.509	1.479	1.3
Major appliances	NA	NA	NA	NA	NA
Power, distribution and other transformers	1.335	1.663	1.665	1.469	1.7
Electric motors and generators	1.335	1.663	1.665	1.469	1.7
Switchgear, switchboards, relays and industrial control apparatus	1.340	1.635	1.638	1.482	1.7
Batteries and battery chargers	1.464	1.538	1.540	1.697	1.5
Communication and electric wire and cable	1.451	1.526	1.528	1.690	1.5
Wiring devices	1.454	1.544	1.546	1.676	1.5
Other electrical equipment and components	1.394	1.592	1.594	1.560	1.6
Passenger cars	NA	NA	NA	NA	NA
Light-duty trucks, vans and sport utility vehicles (SUVs)	NA	NA	NA	NA	NA
Medium and heavy-duty trucks	1.437	1.556	1.563	1.754	1.2
Buses	NA	NA	NA	NA	NA
Motor vehicle bodies and special purpose motor vehicles	1.375	1.754	1.754	1.585	1.5
Freight and utility trailers	1.373	1.759	1.759	1.583	1.5
Motor homes, travel trailers and camping trailers	1.373	1.759	1.759	1.583	1.5
Motor vehicle gasoline engines and engine parts	1.591	2.075	2.047	1.754	1.5
Motor vehicle electrical and electronic equipment	1.324	1.382	1.383	1.654	1.7
Motor vehicle steering and suspension components	1.342	1.635	1.634	1.605	1.5
Motor vehicle brakes and brake systems	1.460	1.855	1.854	1.982	1.5
Motor vehicle transmission and drive train components	1.278	1.611	1.610	1.556	1.4
Motor vehicle interior trim, seats and seat parts	1.425	1.399	1.398	1.379	1.2
Motor vehicle metal stampings	1.529	1.576	1.578	1.465	1.4
Other miscellaneous motor vehicle parts	1.590	1.659	1.662	1.461	1.5
Aircraft	1.425	1.565	1.568	1.503	1.7
Aircraft engines	1.425	1.565	1.568	1.503	1.7
Aircraft parts and other aerospace equipment	1.425	1.565	1.568	1.503	1.7
Locomotives, railway rolling stock, and rapid transit equipment	NA	NA	NA	NA	NA
Parts of railway rolling stock	NA	NA	NA	NA	NA
Ships	NA	NA	NA	NA	NA
Boats and personal watercraft	1.488	1.551	1.552	1.519	1.3
Other transportation equipment and related parts	NA	NA	NA	NA	NA
Wood cabinets and counter tops	1.548	1.735	1.736	1.551	1.3
Household furniture	1.493	1.665	1.665	1.497	1.2

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Institutional and other furniture, n.e.c.	1.538	1.629	1.631	1.517	1.3
Office furniture	1.541	1.643	1.644	1.529	1.3
Office and store fixtures	1.552	1.659	1.661	1.546	1.3
Mattresses and foundations	1.244	1.448	1.445	1.446	1.3
Blinds, shades, and curtain fixtures	1.235	1.437	1.433	1.443	1.3
Medical, dental and personal safety supplies, instruments and equipment	1.649	1.822	1.823	1.665	1.4
Jewellery and silverware	1.604	1.772	1.772	1.712	1.5
Sporting and athletic goods	1.604	1.772	1.772	1.712	1.5
Toys and games	1.604	1.772	1.772	1.712	1.5
Office supplies (except paper)	1.577	1.631	1.632	1.619	1.5
Signs	1.601	1.757	1.758	1.700	1.5
Other miscellaneous manufactured products	1.626	1.769	1.775	1.703	1.5
Custom manufacturing services (except printing, finishing of textiles and metals)	1.613	1.766	1.769	1.684	1.6
Wholesale margins - farm products	1.659	1.677	1.676	1.794	1.7
Wholesale margins - petroleum and petroleum products	1.588	1.609	1.605	2.178	2.5
Wholesale margins - food, beverages and tobacco products	1.656	1.620	1.621	1.669	1.5
Wholesale margins - personal and household goods	1.658	1.598	1.600	1.514	1.5
Wholesale margins - motor vehicles, motor vehicle parts and accessories	1.627	1.565	1.565	1.477	1.5
Wholesale margins - building materials and supplies	1.618	1.537	1.539	1.507	1.4
Wholesale margins - machinery, equipment and supplies	1.591	1.497	1.499	1.461	1.5
Wholesale margins - miscellaneous products	1.626	1.594	1.595	1.626	1.6
Wholesale trade commissions	1.676	1.666	1.666	1.649	1.5
Retail margins - motor vehicles and parts	1.674	1.616	1.616	1.519	1.4
Retail margins - furniture and home furnishings	1.791	1.891	1.890	1.786	1.4
Retail margins - electronics and appliances	1.677	1.660	1.661	1.634	1.4
Retail margins - building materials, garden equipment and supplies	1.677	1.653	1.653	1.655	1.3
Retail margins - food and beverages	1.677	1.610	1.611	1.533	1.3
Retail margins - health and personal care products	1.723	1.707	1.709	1.631	1.4
Retail margins - automotive fuels	1.574	1.520	1.522	1.733	1.4
Retail margins - clothing and clothing accessories	1.778	1.827	1.829	1.762	1.3
Retail margins - sporting and leisure products	1.780	1.765	1.767	1.587	1.3
Retail margins - miscellaneous products (except cannabis)	1.728	1.722	1.723	1.658	1.3
Retail margins - cannabis products (licensed)	1.898	2.065	2.062	1.739	1.3
Retail margins - cannabis products (unlicensed)	1.819	1.630	1.633	1.394	1.3
Retail margins - household fuels	1.772	1.782	1.783	1.592	1.5
Used motor vehicles	NA	NA	NA	NA	NA
Other used consumer goods	NA	NA	NA	NA	NA
Retail trade commissions	1.670	1.625	1.625	1.593	1.3
Air passenger transportation services	1.803	1.986	1.983	1.895	1.7
Air freight transportation services	1.803	1.986	1.983	1.895	1.7
Air specialty services	1.795	1.950	1.941	1.811	1.6
Rail passenger transportation services	1.555	1.433	1.425	1.736	2.0
Rail freight transportation services	1.555	1.433	1.425	1.736	2.0
Water passenger transportation services	1.555	1.540	1.535	1.434	1.1
Water freight transportation services	1.642	1.627	1.625	1.498	1.2
Moving services	1.975	2.331	2.266	2.053	1.9
Road transportation services for general freight	1.967	2.299	2.238	2.035	1.9
Road transportation services for specialized freight	1.976	2.331	2.267	2.058	1.9
Urban transit services	2.595	1.482	3.232	1.351	1.4
Interurban and rural bus passenger transportation services	1.634	1.516	1.515	1.408	1.2
School bus services	1.602	1.483	1.484	1.430	1.3
Other transit and passenger transportation services by road	1.642	1.509	1.525	1.408	1.2
Scenic and sightseeing tour services	1.624	1.517	1.505	1.409	1.2

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Taxi and limousine services	1.866	2.135	2.086	1.803	1.3
Transportation of natural gas by pipeline	1.189	1.118	1.119	1.449	1.6
Transportation of crude oil and other commodities by pipeline	1.485	1.417	1.417	2.076	2.8
Air transportation support services	1.774	1.979	1.981	2.070	1.9
Aircraft maintenance and repair services	1.711	1.905	1.908	1.951	1.9
Rail transportation support, maintenance and repair services	1.759	1.944	1.946	2.095	1.9
Water transportation support, maintenance and repair services	1.746	1.853	1.856	1.841	1.9
Road transportation support services	1.726	1.814	1.818	1.922	1.9
Freight transportation arrangement and customs brokering services	1.770	1.974	1.977	2.098	1.9
Other transportation support services	1.769	1.981	1.985	2.113	1.9
Postal services	1.705	1.525	1.524	1.320	1.3
Courier, parcel, and local messenger and delivery services	1.816	1.867	1.858	1.828	1.5
Grain storage	1.512	1.403	1.405	1.444	1.3
Warehousing and storage services (except grain storage)	1.703	1.637	1.633	1.626	1.4
Newspapers	1.738	1.814	1.819	1.779	1.6
Advertising space in printed newspapers	1.738	1.814	1.819	1.779	1.6
Periodicals	1.595	1.591	1.594	1.706	1.7
Books	1.540	1.477	1.478	1.581	1.7
Other published products	1.566	1.577	1.579	1.670	1.6
Advertising space in printed periodicals and in other printed publications	1.562	1.557	1.559	1.708	1.7
Licensing of rights for commercial use of literary works (except software) and artistic works	1.828	2.053	2.052	1.762	2.1
General purpose software	1.548	1.513	1.518	1.488	1.7
Recorded movies, television programs and videos	NA	NA	NA	NA	NA
Movie, television program and video production, post-production and editing services	1.862	2.298	2.792	1.790	1.6
Licensing of rights for commercial use of dramatic works, and other copyrighted property n.e.c.	1.858	2.285	2.767	1.791	1.6
Admissions to motion picture film exhibitions	1.488	1.564	1.552	1.957	1.4
Recorded music and other sound recordings	1.527	1.682	1.677	1.603	1.2
Audio recording services and copyright administration	1.556	1.702	1.696	1.602	1.3
Licensing of rights for commercial use of musical works and sound recordings	1.559	1.761	1.754	1.600	1.2
Advertising air time on radio	1.535	1.569	1.561	1.617	1.5
Advertising air time on television	1.532	1.572	1.564	1.623	1.5
Fees for the distribution of television and radio program channels (affiliation payments)	1.407	1.727	1.684	2.586	1.9
Fixed telecommunications services (except Internet access)	1.266	1.251	1.252	1.691	1.8
Mobile telecommunications services	1.266	1.251	1.252	1.691	1.8
Broadcasting and online games distribution services	1.267	1.251	1.252	1.691	1.8
Fixed Internet access services	1.266	1.251	1.252	1.691	1.8
Data processing, hosting, and related services (except software as a service, on cloud)	1.560	1.532	1.536	1.583	1.6
Subscriptions for online content	NA	NA	NA	NA	NA
Internet advertising	1.757	1.896	1.897	1.752	2.0
Other information services	1.982	2.969	2.980	2.875	3.6
Central banking services	1.535	1.523	1.512	1.414	5.5
Local credit union services - explicit charges (fees)	1.770	1.838	1.828	1.585	1.6
Banking and other depository credit intermediation services - explicit charges	1.452	1.356	1.356	1.471	1.6
Non-depository credit intermediation services - explicit charges (fees)	1.589	1.584	1.578	1.768	1.9
Other services related to credit intermediation	1.778	2.087	2.038	2.029	1.7
Investment banking services	1.670	1.633	1.628	1.727	1.9
Security brokerage and securities dealing services	1.785	1.842	1.831	1.885	2.0

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Portfolio management services	1.825	1.982	1.970	2.033	2.2
Investment counselling services	1.806	1.898	1.885	1.952	2.1
Holding company services and other financial investment and related activities	1.904	2.090	2.079	1.770	1.8
Life insurance services	1.918	2.426	2.412	3.470	3.4
Health and accident insurance services	1.918	2.426	2.412	3.470	3.4
Vehicle insurance services	1.918	2.426	2.412	3.470	3.4
Property insurance services	1.918	2.426	2.412	3.470	3.4
Liability and other property and casualty insurance services	1.917	2.425	2.410	3.460	3.4
Insurance brokerage and other services related to insurance	1.733	1.653	1.643	1.507	1.4
Trusteed pension fund services	2.120	3.093	2.980	2.470	2.6
Mutual funds (cost of service) and other similar services	2.120	3.093	2.980	2.470	2.6
Deposit intermediation services indirectly measured (FISIM)	1.476	1.383	1.382	1.483	1.6
Residential mortgage intermediation services indirectly measured (FISIM)	1.482	1.391	1.390	1.490	1.6
Other loan intermediation services indirectly measured (FISIM)	1.524	1.458	1.456	1.590	1.7
Rental of residential real estate	1.599	1.501	1.500	1.832	3.2
Rental of non-residential real estate	1.606	1.524	1.523	1.794	2.5
Imputed rental of owner-occupied dwellings	1.639	1.427	1.428	1.345	0.0
Real estate brokerage and other services related to real estate	1.762	1.829	1.817	1.837	1.6
Rental and operating leasing services of motor vehicles	1.645	1.680	1.671	2.105	2.0
Computer equipment rental and leasing services	NA	NA	NA	NA	NA
Office machinery and equipment (except computer equipment) rental and leasing services	NA	NA	NA	NA	NA
Rental and operating leasing services of commercial and industrial machinery and equipment	1.613	1.613	1.605	1.739	1.7
Rental and operating leasing services of other goods	1.605	1.604	1.596	1.734	1.6
Licensing of rights for commercial use of non-financial intangible assets (except software and other copyright licensing)	1.676	1.752	1.752	1.845	1.7
Legal services	1.690	1.551	1.554	1.446	1.6
Accounting, tax preparation, bookkeeping and payroll services	1.707	1.633	1.636	1.508	1.5
Architectural, engineering and related services	1.671	1.665	1.667	1.541	1.6
Specialized design services	1.756	1.813	1.813	1.714	1.4
Custom software design and development services	1.560	1.542	1.547	1.581	1.6
Own-account software design and development services	1.659	1.644	1.644	1.676	1.7
Computer systems design and related services (except software development)	1.560	1.541	1.546	1.577	1.6
Management, scientific and technical consulting services	1.684	1.651	1.654	1.611	1.6
Research and development services	1.550	1.410	1.461	1.617	1.7
Own-account research and development (except software development)	1.544	1.474	1.475	1.565	1.6
Advertising, public relations, and related services	1.767	1.814	1.873	1.758	1.7
Photographic services	1.834	2.023	2.023	1.846	1.6
Veterinary services	1.854	2.111	2.112	1.945	1.9
Other professional, scientific and technical services	1.835	2.041	2.042	1.894	1.8
Holding company services (imputed)	1.762	1.753	1.755	1.524	1.5
Head office services (imputed)	1.648	1.695	1.694	1.884	2.0
Office administrative services	1.677	1.648	1.650	1.605	1.6
Employment services	1.708	1.667	1.670	1.560	1.6
Business support services	1.667	1.649	1.647	1.606	1.5

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Travel arrangement, reservation and planning services	1.757	1.871	1.873	1.810	2.0
Investigation and security services	1.625	1.522	1.524	1.413	1.2
Services to buildings and dwellings	1.728	1.799	1.788	1.702	1.4
Facilities and other support services	1.573	1.546	1.548	1.996	2.0
Waste management and remediation services	1.686	1.725	1.723	2.000	2.0
Tuition and similar fees for elementary and secondary schools	1.608	1.464	1.462	1.349	1.3
Tuition and similar fees for colleges and C.E.G.E.P.s	1.619	1.475	1.474	1.390	1.4
Tuition and similar fees for universities	1.471	1.340	1.339	1.388	1.4
Tuition and similar fees for trade, technical and professional training	1.790	1.797	1.792	1.581	1.3
Other educational training and services	1.867	1.947	1.938	1.649	1.3
Physician services	1.437	1.316	1.315	1.422	1.5
Dental services	1.599	1.583	1.575	1.618	1.5
Other health practitioner services	1.646	1.468	1.468	1.341	1.2
Medical laboratory diagnostic and testing services	1.646	1.468	1.468	1.341	1.2
Ambulance services	1.650	1.480	1.481	1.351	1.2
Hospital services	1.642	1.595	1.597	1.480	1.6
Nursing and residential care services	1.657	1.517	1.515	1.404	1.3
Child day-care services	1.795	1.823	1.808	1.588	1.3
Other ambulatory health care services and social assistance services	1.756	1.747	1.743	1.543	1.4
Admissions to live sporting events	1.732	1.741	1.764	1.659	1.5
Admissions to live performing arts performances	1.720	1.736	1.750	1.635	1.4
Sport and performing arts event organization services	1.640	1.588	1.591	1.558	1.4
Career management and representation services of public figures	1.759	1.791	1.824	1.690	1.5
Contract production of live performing arts performances, live sporting events and copyrighted works	1.729	1.735	1.763	1.665	1.5
Sporting event media rights	1.721	1.714	1.738	1.659	1.5
Heritage institution services	1.683	1.684	1.684	1.614	1.5
Amusement and recreational services	1.695	1.748	1.737	1.669	1.4
Gambling (net wagers)	1.741	2.096	2.065	1.876	1.6
Room or unit accommodation services for travellers	1.548	1.494	1.487	1.563	1.3
Recreational vehicle park and recreational camp services	1.593	1.657	1.631	1.829	1.5
Rooming and boarding services	1.579	1.559	1.545	1.616	1.4
Prepared meals	1.730	1.804	1.795	1.642	1.3
Alcoholic beverages for immediate consumption	1.721	1.793	1.784	1.653	1.3
Motor vehicle repair and maintenance services	1.664	1.658	1.656	1.554	1.5
Repair and maintenance services (except for buildings and transportation equipment)	1.616	1.575	1.573	1.553	1.4
Funeral services	1.532	1.483	1.483	1.693	1.5
Laundry, dry-cleaning and related services	1.639	1.629	1.623	1.658	1.4
Hair care and aesthetic services	1.765	1.782	1.780	1.602	1.3
Parking services	1.690	1.655	1.654	1.610	1.4
Other personal and personal care services	1.743	1.754	1.751	1.604	1.3
Other membership services	1.826	1.845	1.910	1.560	1.6
Babysitting services	1.615	1.374	1.376	1.265	1.1
Private household services (except babysitting)	1.615	1.374	1.376	1.265	1.1
Sales of other services by Non-Profit Institutions Serving Households	1.856	2.128	2.096	1.791	1.4
Sales of other government services	1.831	2.035	2.040	1.854	2.2
Repair and maintenance	NA	NA	NA	NA	NA
Operating supplies	NA	NA	NA	NA	NA
Office supplies	NA	NA	NA	NA	NA
Advertising, promotion, meals and entertainment	NA	NA	NA	NA	NA
Travel, meetings and conventions	NA	NA	NA	NA	NA
Transportation margins	NA	NA	NA	NA	NA

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Educational services provided by Non-Profit Institutions Serving Households	1.652	1.546	1.538	1.389	1.2
Ambulatory health care services provided by Non-Profit Institutions Serving Households	1.801	1.900	1.894	1.623	1.6
Social assistance services provided by Non-Profit Institutions Serving Households	1.686	1.532	1.532	1.369	1.2
Arts, entertainment and recreation services provided by Non-Profit Institutions Serving Households	1.728	1.829	1.809	1.589	1.3
Religious services	1.771	1.829	1.820	1.582	1.4
Grant-making, civic, and professional and similar organization services	1.879	2.163	2.133	1.785	1.6
Labour organization membership services	1.879	2.163	2.133	1.785	1.6
Political organization services	1.879	2.163	2.133	1.785	1.6
Other services provided by Non-Profit Institutions Serving Households	1.865	2.251	2.203	1.924	1.4
Elementary and secondary school services provided by governments	1.590	1.437	1.436	1.335	1.3
Community college and C0E0G0E0P services provided by governments	1.619	1.475	1.474	1.390	1.4
University services provided by governments	1.471	1.340	1.339	1.388	1.4
Other educational services provided by governments	1.621	1.516	1.515	1.454	2.5
Hospital services provided by governments	1.642	1.595	1.597	1.480	1.6
Residential care facility services provided by governments	1.655	1.509	1.510	1.382	1.6
Defence services	1.650	1.566	1.567	1.456	1.6
Other federal government services	1.743	1.722	1.726	1.564	1.9
Other provincial and territorial government services	1.987	3.012	3.024	2.940	3.6
Other municipal government services	1.533	1.418	1.420	1.491	1.7
Other aboriginal government services	2.004	2.473	2.473	2.259	1.9

**Table 12: Alberta Type II Multipliers With Safety Net
(Commodities)
Closed Model – Direct, Indirect and Induced Impacts**

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Canola (including rapeseed)	1.682	1.771	1.774	1.868	2.3
Oilseeds (except canola)	1.691	1.797	1.800	1.900	2.3
Wheat	1.682	1.771	1.774	1.868	2.3
Grains (except wheat)	1.682	1.771	1.774	1.868	2.3
Fresh potatoes	1.682	1.771	1.774	1.868	2.3
Fresh fruit and nuts	1.682	1.771	1.774	1.868	2.3
Other miscellaneous crop products	1.682	1.771	1.774	1.868	2.3
Fresh vegetables (except potatoes)	1.665	1.751	1.753	1.775	1.5
Imputed feed (animal feed produced for own consumption)	1.682	1.771	1.774	1.868	2.3
Floriculture and nursery products (except cannabis), and sod	1.597	1.671	1.668	1.506	1.1
Cannabis plants, seeds and flowering tops	1.514	1.481	1.471	1.560	1.1
Cattle and calves	2.495	14.932	15.589	5.926	2.1
Unprocessed milk	2.495	14.932	15.589	5.926	2.1
Hogs	2.495	14.932	15.589	5.926	2.1
Eggs in shell	2.495	14.932	15.589	5.926	2.1
Poultry	2.495	14.932	15.589	5.926	2.1
Other live animals	2.495	14.932	15.589	5.926	2.1
Raw furskins, and animal products n.e.c.	2.408	6.655	6.776	3.897	2.0
Imputed fertilizer (fertilizer produced for own consumption)	2.495	14.932	15.589	5.926	2.1
Logs and bolts	1.876	2.144	2.117	1.970	1.8
Pulpwood	1.866	2.129	2.099	1.946	1.8
Fuel wood	1.862	2.104	2.085	1.980	1.9
Rough untreated poles, posts and piling	2.005	2.345	2.350	2.326	2.5
Fish, crustaceans, shellfish and other fishery products	1.617	1.858	1.846	1.619	1.2
Custom work services for forestry	1.866	2.129	2.099	1.946	1.8
Support services for crop production	1.634	1.624	1.637	1.615	1.6
Support services for animal production, hunting and fishing	2.340	4.537	4.724	3.163	1.9
Support services for forestry	1.674	1.734	1.720	1.543	1.5
Conventional crude oil	1.664	1.920	1.911	2.015	2.8
Synthetic crude oil	1.363	1.331	1.332	2.609	4.9
Natural gas	1.664	1.920	1.911	2.015	2.8
Natural gas liquids and related products	1.707	1.975	1.967	2.153	3.0
Crude and diluted bitumen	1.363	1.331	1.332	2.609	4.9
Coal	1.859	2.106	2.084	2.260	3.1
Iron ores and concentrates	NA	NA	NA	NA	NA
Gold and silver ores and concentrates	1.389	1.344	1.337	1.588	1.2
Copper ores and concentrates	NA	NA	NA	NA	NA
Nickel ores and concentrates	NA	NA	NA	NA	NA
Lead and zinc ores and concentrates	NA	NA	NA	NA	NA
Radioactive ores and concentrates	NA	NA	NA	NA	NA
Other metal ores and concentrates	NA	NA	NA	NA	NA
Stone	1.520	1.478	1.476	1.549	1.6
Sand, gravel, clay, and refractory minerals	1.592	1.590	1.581	1.819	1.9
Uncut and industrial diamonds	NA	NA	NA	NA	NA
Potash	NA	NA	NA	NA	NA
Non-metallic minerals (except diamonds)	1.509	1.538	1.537	1.922	1.9
Support services for oil and gas extraction (except exploration)	1.404	1.307	1.308	1.327	1.3
Support services for mining and quarrying (except exploration)	1.579	1.539	1.538	1.524	1.8
Oil and gas and mineral exploration	1.605	1.735	1.732	1.935	2.6

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Electricity	1.620	1.554	1.555	1.674	2.1
Natural gas distribution	1.300	1.199	1.200	1.603	1.7
Water delivered by water works and irrigation systems	1.505	1.412	1.407	1.464	1.6
Sewage and dirty water disposal and cleaning services	1.437	1.339	1.340	1.392	1.5
Steam and heated or cooled air or water	1.665	1.642	1.625	1.763	2.1
Residential buildings	1.597	1.692	1.696	1.649	1.6
Industrial buildings (except mine buildings)	1.584	1.851	1.854	1.749	1.8
Office buildings	1.584	1.851	1.854	1.749	1.8
Shopping centres, plazas, malls and stores	1.584	1.851	1.854	1.749	1.8
Other commercial buildings	1.584	1.851	1.854	1.749	1.8
Schools, colleges, universities and other educational buildings	1.584	1.851	1.854	1.749	1.8
Health care buildings, nursing homes and senior citizen homes	1.584	1.851	1.854	1.749	1.8
Other institutional buildings	1.584	1.851	1.854	1.749	1.8
Highways, roads, streets, bridges and tunnels	1.781	2.558	2.557	2.370	2.0
Other land transportation civil engineering works	1.781	2.558	2.557	2.370	2.0
Oil and gas extraction sites and structures	1.635	1.911	1.913	1.716	1.7
Other oil and gas engineering works	1.635	1.911	1.913	1.716	1.7
Electric power engineering works	1.439	1.404	1.406	1.573	1.5
Communications networks	1.414	1.866	1.863	1.891	1.7
Marine engineering works	1.634	1.851	1.849	1.746	1.5
Waterworks engineering works	1.634	1.851	1.849	1.746	1.5
Sewage engineering works	1.634	1.851	1.849	1.746	1.5
Mining engineering works	1.634	1.851	1.849	1.746	1.5
Other civil engineering works	1.634	1.851	1.849	1.746	1.5
Repair construction services	1.648	1.791	1.792	1.589	1.6
Dog and cat food	1.722	2.469	2.467	2.642	2.1
Other animal feed	1.722	2.469	2.467	2.642	2.1
Flour and other grain mill products	1.959	3.984	3.988	7.816	6.3
Margarine and cooking oils	1.969	4.063	4.068	8.424	7.1
Breakfast cereal and other cereal products	1.968	4.068	4.072	8.455	7.1
Grain and oilseed products, n.e.c.	1.968	4.015	4.018	8.341	7.1
Sugar and sugar mill by-products	1.373	1.778	1.777	1.595	1.5
Chocolate (except confectionery)	1.373	1.778	1.777	1.595	1.5
Confectionery products	1.373	1.778	1.777	1.595	1.5
Fresh, frozen and canned fruit and vegetable juices	1.682	1.975	1.975	2.103	2.1
Preserved fruit and vegetables and frozen foods	1.662	1.908	1.908	2.051	2.0
Processed fluid milk and milk products	2.327	2.639	2.638	3.499	6.5
Cheese and cheese products	2.327	2.639	2.638	3.499	6.5
Butter and dry and canned dairy products	2.324	2.647	2.646	3.514	6.5
Ice cream, sherbet and similar frozen desserts	2.327	2.639	2.638	3.499	6.5
Fresh and frozen beef and veal	2.336	2.841	2.843	3.479	4.4
Fresh and frozen pork	2.336	2.841	2.843	3.479	4.4
Fresh and frozen poultry of all types	2.336	2.841	2.843	3.479	4.4
Processed meat products, other miscellaneous meats and animal by-products	2.288	2.772	2.773	3.340	4.1
Prepared and packaged seafood products	1.363	1.426	1.428	1.667	2.7
Bread, rolls and flatbreads	1.433	1.497	1.499	1.489	1.3
Cookies, crackers and baked sweet goods	1.439	1.507	1.508	1.499	1.3
Flour mixes, dough and dry pasta	1.444	1.483	1.484	1.548	1.4
Snack food products	1.428	1.414	1.414	1.590	1.4
Coffee and tea	1.429	1.422	1.422	1.576	1.4
Flavouring syrups, seasonings and dressings	1.483	1.553	1.553	1.682	1.5
Other food products, n.e.c.	1.509	1.558	1.558	1.719	1.6
Carbonated and non-carbonated drinks, bottled water and ice	1.544	1.891	1.890	1.776	1.6
Beer	1.338	1.291	1.295	1.636	1.5
Wine and brandy	1.338	1.291	1.295	1.636	1.5
Distilled liquor	1.386	1.341	1.339	1.703	1.5
Stemmed, redried or reconstituted tobacco	1.707	1.887	1.882	1.722	0.0
Cigarettes, cigars, chewing and smoking tobacco	1.707	1.887	1.882	1.722	0.0

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Cannabis products (except seeds, plants, and plant parts)	NA	NA	NA	NA	NA
Fibre, yarn and thread	1.390	1.575	1.572	1.384	1.2
Fabrics	1.390	1.575	1.572	1.384	1.2
Carpets, rugs and mats	1.390	1.575	1.572	1.384	1.2
Other textile furnishings	1.374	1.514	1.513	1.355	1.2
Textile products, n.e.c.	1.406	1.572	1.570	1.401	1.3
Fabric weaving and finishing services	1.390	1.575	1.572	1.384	1.2
Men's, women's, boys' and girls' clothing	1.491	1.662	1.659	1.425	1.3
Infant clothing	NA	NA	NA	NA	NA
Clothing accessories	1.491	1.662	1.659	1.425	1.3
Leather and dressed furs	1.491	1.662	1.659	1.425	1.3
Footwear	1.491	1.662	1.659	1.425	1.3
Suitcases, handbags and other leather and allied products	1.491	1.662	1.659	1.425	1.3
Hardwood lumber	NA	NA	NA	NA	NA
Softwood lumber	2.049	2.419	2.439	2.478	2.9
Wood chips	2.037	2.398	2.417	2.460	2.8
Other sawmill products and treated wood products	2.049	2.419	2.439	2.478	2.9
Veneer and plywood	1.744	1.915	1.924	2.016	2.1
Wood trusses and engineered wood members	1.744	1.919	1.928	2.004	2.1
Reconstituted wood products	1.745	1.922	1.930	1.998	2.1
Wood windows and doors	1.615	1.891	1.891	1.574	1.4
Wood containers and pallets	1.761	2.069	2.073	1.757	1.5
Prefabricated wood and manufactured (mobile) buildings and components	1.755	2.061	2.065	1.755	1.5
Wood products, n.e.c.	1.758	2.050	2.055	1.761	1.5
Waste and scrap of wood and wood by-products	2.033	2.397	2.416	2.428	2.7
Wood pulp	1.809	2.294	2.314	2.619	3.9
Paper (except newsprint)	1.832	2.622	2.624	2.293	2.2
Newsprint	1.809	2.294	2.314	2.619	3.9
Paperboard	NA	NA	NA	NA	NA
Paperboard containers	1.377	1.623	1.626	1.532	1.5
Paper office supplies	1.432	1.486	1.489	1.434	1.3
Disposable diapers and feminine hygiene products	NA	NA	NA	NA	NA
Sanitary paper products	NA	NA	NA	NA	NA
Other converted paper products	1.377	1.623	1.626	1.532	1.5
Waste and scrap of paper and paperboard	1.377	1.623	1.626	1.532	1.5
Printed products	1.442	1.473	1.476	1.425	1.3
Printing support services	1.442	1.475	1.478	1.426	1.3
Contract printing services for publishers	1.511	1.559	1.562	1.497	1.3
Motor gasoline	1.941	3.243	3.244	11.629	18.2
Diesel and biodiesel fuels	1.941	3.247	3.249	11.702	18.3
Light fuel oils	1.941	3.247	3.249	11.702	18.3
Aviation fuel	1.940	3.204	3.205	11.016	17.4
Heavy fuel oils	1.941	3.247	3.249	11.702	18.3
Lubricants and other petroleum refinery products	1.923	3.026	3.030	8.036	11.8
Asphalt (except natural) and asphalt products	1.891	2.950	2.950	3.389	3.1
Coke and other coke oven products	1.496	1.509	1.512	2.465	3.0
Solid fuel products, n.e.c.	2.026	2.392	2.410	2.398	2.6
Petrochemicals	1.889	2.253	2.245	4.336	7.9
Industrial gases	1.884	2.204	2.196	4.177	7.6
Dyes and pigments	NA	NA	NA	NA	NA
Other basic inorganic chemicals and nuclear fuel	1.852	2.204	2.196	4.019	6.9
Basic organic chemicals, n.e.c.	1.878	2.174	2.168	4.044	7.3
Plastic resins	1.813	1.832	1.843	2.975	5.6
Rubber and rubber compounds and mixtures	1.285	1.376	1.438	1.519	1.6
Artificial and synthetic fibres and filaments	NA	NA	NA	NA	NA
Ammonia and chemical fertilizers	1.684	2.001	1.982	2.393	2.7
Pesticides and other agricultural chemicals	1.685	2.001	1.982	2.396	2.7
Pharmaceutical and medicinal products	1.509	1.720	1.723	1.625	1.7
Paints, coatings and adhesive products	1.447	1.466	1.501	1.600	1.5
Soaps and cleaning compounds	1.489	1.712	1.716	1.605	1.6
Perfumes and toiletries	1.485	1.683	1.686	1.593	1.6
Chemical products, n.e.c.	1.531	2.144	2.169	1.766	2.0

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Plastic bags	1.651	1.983	1.981	1.584	1.4
Plastic films and non-rigid sheets	1.651	1.983	1.981	1.584	1.4
Plastic and foam building and construction materials	1.650	1.979	1.977	1.585	1.4
Plastic profile shapes	1.651	1.983	1.981	1.584	1.4
Foam products (except for construction)	1.651	1.983	1.981	1.584	1.4
Plastic bottles	1.651	1.983	1.981	1.584	1.4
Motor vehicle plastic parts	1.651	1.983	1.981	1.584	1.4
Plastic products, n.e.c.	1.644	1.973	1.971	1.579	1.4
Tires	1.285	1.376	1.438	1.519	1.6
Rubber and plastic hoses and belts	1.290	1.382	1.442	1.519	1.6
Rubber products, n.e.c.	1.300	1.393	1.452	1.522	1.6
Waste and scrap of plastic and rubber	1.651	1.983	1.981	1.584	1.4
Cement	1.707	1.889	1.888	2.154	2.1
Ready-mixed concrete	1.706	1.887	1.886	2.148	2.1
Concrete products	1.708	1.890	1.890	2.158	2.1
Clay and ceramic products and refractories	1.577	1.684	1.686	1.703	1.5
Glass (including automotive), glass products and glass containers	1.576	1.686	1.689	1.692	1.5
Waste and scrap of glass	NA	NA	NA	NA	NA
Lime and gypsum products	1.577	1.684	1.686	1.703	1.5
Non-metallic mineral products, n.e.c.	1.577	1.683	1.686	1.702	1.5
Iron and steel basic shapes and ferro-alloy products	1.611	1.744	1.746	1.836	2.0
Iron and steel pipes and tubes (except castings)	1.601	2.289	2.300	1.879	2.1
Cold-rolled iron or steel products	1.576	2.073	2.081	1.665	1.8
Bauxite and aluminum oxide	NA	NA	NA	NA	NA
Unwrought aluminum including alloys	1.195	1.357	1.358	1.543	1.4
Basic and semi-finished products of aluminum and alloys	1.195	1.357	1.358	1.543	1.4
Unwrought copper including alloys	NA	NA	NA	NA	NA
Unwrought nickel including alloys	1.268	2.988	2.983	2.594	3.5
Unwrought precious metals including alloys	NA	NA	NA	NA	NA
Other unwrought non-ferrous metals including alloys	1.268	2.988	2.983	2.594	3.5
Gold, store of value	NA	NA	NA	NA	NA
Basic and semi-finished products of non-ferrous metals and alloys (except aluminum)	1.268	2.988	2.983	2.594	3.5
Ferrous metal castings	1.501	1.561	1.564	1.407	1.3
Non-ferrous metal castings	NA	NA	NA	NA	NA
Waste and scrap of iron and steel	1.606	2.331	2.342	1.893	2.1
Waste and scrap of non-ferrous metals	1.195	1.357	1.358	1.543	1.4
Forged and stamped metal products	1.452	1.516	1.517	1.408	1.4
Prefabricated metal buildings and other non-wood buildings, and components	1.568	1.822	1.826	1.690	1.6
Fabricated steel plate and other fabricated structural metal	1.558	1.794	1.798	1.673	1.6
Metal windows and doors	1.580	1.840	1.844	1.664	1.6
Other architectural metal products	1.539	1.752	1.756	1.653	1.6
Light gauge metal containers, crowns and closures	1.446	1.594	1.597	1.553	1.6
Boilers, tanks and heavy gauge metal containers	1.456	1.606	1.609	1.559	1.6
Builders, motor vehicle and other hardware	1.561	1.795	1.798	1.661	1.6
Springs and wire products	1.479	1.691	1.693	1.423	1.5
Threaded metal fasteners and other turned metal products including automotive	1.523	1.618	1.621	1.474	1.4
Coating, engraving, heat treating and similar metal processing services	1.465	1.520	1.521	1.396	1.4
Hand tools, kitchen utensils and cutlery (except precious metal)	1.482	1.579	1.582	1.498	1.5
Metal valves and pipe fittings	1.432	1.551	1.554	1.523	1.5
Ball and roller bearings	1.442	1.542	1.545	1.530	1.6
Guns, ammunition and other munitions	1.442	1.542	1.545	1.530	1.6
Fabricated metal products, n.e.c.	1.511	1.643	1.646	1.532	1.5
Agricultural, lawn and garden machinery and equipment	1.315	1.503	1.506	1.489	1.5

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Logging, mining and construction machinery and equipment	1.316	1.487	1.490	1.483	1.5
Other industry-specific machinery	1.253	1.413	1.416	1.383	1.4
Commercial and service industry machinery	1.313	1.442	1.445	1.551	1.5
Industrial and commercial fans, blowers and air purification equipment	1.320	1.340	1.343	1.379	1.3
Heating and cooling equipment (except household refrigerators and freezers)	1.323	1.344	1.347	1.383	1.3
Metalworking machinery and industrial moulds	1.480	1.561	1.563	1.492	1.5
Turbines, turbine generators, and turbine generator sets (except aircraft turbines)	NA	NA	NA	NA	NA
Other engine and power transmission equipment	1.307	1.421	1.424	1.900	2.4
Pumps and compressors (except fluid power)	1.352	1.462	1.465	1.523	1.6
Material handling equipment	1.356	1.480	1.482	1.525	1.6
Other miscellaneous general-purpose machinery	1.425	1.515	1.517	1.489	1.5
Computers, computer peripherals and parts	1.473	1.612	1.614	1.435	1.7
Telephone apparatus	1.341	1.467	1.469	1.373	1.3
Other communications equipment	1.297	1.391	1.393	1.411	1.4
Audio and video equipment and unrecorded media	1.261	1.331	1.334	1.471	1.5
Navigational and guidance instruments	1.247	1.309	1.311	1.486	1.6
Medical devices	1.282	1.351	1.353	1.486	1.5
Measuring, control and scientific instruments	1.277	1.366	1.369	1.509	1.6
Printed and integrated circuits, semiconductors and printed circuit assemblies	1.352	1.502	1.518	1.411	1.3
Other electronic components	1.343	1.584	1.601	1.393	1.3
Electric light bulbs and tubes	1.316	1.471	1.463	1.598	1.8
Lighting fixtures	1.332	1.461	1.456	1.583	1.6
Small electric appliances	1.302	1.359	1.358	1.327	1.2
Major appliances	NA	NA	NA	NA	NA
Power, distribution and other transformers	1.282	1.556	1.559	1.389	1.6
Electric motors and generators	1.282	1.556	1.559	1.389	1.6
Switchgear, switchboards, relays and industrial control apparatus	1.286	1.532	1.534	1.398	1.6
Batteries and battery chargers	1.383	1.435	1.436	1.541	1.4
Communication and electric wire and cable	1.373	1.425	1.427	1.537	1.4
Wiring devices	1.375	1.441	1.442	1.526	1.4
Other electrical equipment and components	1.328	1.487	1.489	1.449	1.5
Passenger cars	NA	NA	NA	NA	NA
Light-duty trucks, vans and sport utility vehicles (SUVs)	NA	NA	NA	NA	NA
Medium and heavy-duty trucks	1.353	1.442	1.448	1.572	1.2
Buses	NA	NA	NA	NA	NA
Motor vehicle bodies and special purpose motor vehicles	1.307	1.616	1.616	1.466	1.4
Freight and utility trailers	1.305	1.619	1.620	1.464	1.4
Motor homes, travel trailers and camping trailers	1.305	1.619	1.620	1.464	1.4
Motor vehicle gasoline engines and engine parts	1.489	1.859	1.833	1.588	1.4
Motor vehicle electrical and electronic equipment	1.271	1.316	1.317	1.535	1.6
Motor vehicle steering and suspension components	1.280	1.504	1.503	1.475	1.4
Motor vehicle brakes and brake systems	1.380	1.689	1.688	1.778	1.4
Motor vehicle transmission and drive train components	1.218	1.471	1.471	1.419	1.3
Motor vehicle interior trim, seats and seat parts	1.264	1.238	1.238	1.220	1.1
Motor vehicle metal stampings	1.414	1.440	1.442	1.344	1.3
Other miscellaneous motor vehicle parts	1.482	1.528	1.531	1.366	1.4
Aircraft	1.360	1.470	1.473	1.417	1.6
Aircraft engines	1.360	1.470	1.473	1.417	1.6
Aircraft parts and other aerospace equipment	1.360	1.470	1.473	1.417	1.6
Locomotives, railway rolling stock, and rapid transit equipment	NA	NA	NA	NA	NA
Parts of railway rolling stock	NA	NA	NA	NA	NA
Ships	NA	NA	NA	NA	NA
Boats and personal watercraft	1.350	1.384	1.385	1.350	1.2
Other transportation equipment and related parts	NA	NA	NA	NA	NA

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Wood cabinets and counter tops	1.417	1.540	1.541	1.385	1.2
Household furniture	1.363	1.474	1.475	1.333	1.2
Institutional and other furniture, n.e.c.	1.404	1.460	1.461	1.364	1.2
Office furniture	1.409	1.473	1.475	1.374	1.2
Office and store fixtures	1.422	1.491	1.492	1.393	1.2
Mattresses and foundations	1.191	1.338	1.335	1.312	1.2
Blinds, shades, and curtain fixtures	1.185	1.330	1.328	1.311	1.2
Medical, dental and personal safety supplies, instruments and equipment	1.497	1.614	1.616	1.487	1.3
Jewellery and silverware	1.489	1.607	1.608	1.549	1.4
Sporting and athletic goods	1.489	1.607	1.608	1.549	1.4
Toys and games	1.489	1.607	1.608	1.549	1.4
Office supplies (except paper)	1.458	1.488	1.489	1.469	1.4
Signs	1.486	1.595	1.596	1.539	1.4
Other miscellaneous manufactured products	1.501	1.599	1.604	1.536	1.4
Custom manufacturing services (except printing, finishing of textiles and metals)	1.515	1.629	1.633	1.551	1.5
Wholesale margins - farm products	1.556	1.566	1.566	1.649	1.6
Wholesale margins - petroleum and petroleum products	1.529	1.544	1.540	2.037	2.4
Wholesale margins - food, beverages and tobacco products	1.527	1.482	1.483	1.504	1.4
Wholesale margins - personal and household goods	1.528	1.475	1.476	1.397	1.4
Wholesale margins - motor vehicles, motor vehicle parts and accessories	1.507	1.451	1.452	1.373	1.4
Wholesale margins - building materials and supplies	1.494	1.423	1.425	1.390	1.3
Wholesale margins - machinery, equipment and supplies	1.483	1.402	1.404	1.366	1.4
Wholesale margins - miscellaneous products	1.527	1.494	1.495	1.508	1.5
Wholesale trade commissions	1.543	1.527	1.527	1.501	1.4
Retail margins - motor vehicles and parts	1.511	1.461	1.461	1.376	1.3
Retail margins - furniture and home furnishings	1.629	1.700	1.700	1.598	1.3
Retail margins - electronics and appliances	1.521	1.502	1.504	1.465	1.3
Retail margins - building materials, garden equipment and supplies	1.521	1.496	1.497	1.479	1.3
Retail margins - food and beverages	1.488	1.434	1.436	1.364	1.2
Retail margins - health and personal care products	1.548	1.530	1.532	1.455	1.3
Retail margins - automotive fuels	1.453	1.406	1.407	1.553	1.3
Retail margins - clothing and clothing accessories	1.621	1.655	1.657	1.579	1.3
Retail margins - sporting and leisure products	1.584	1.566	1.568	1.416	1.2
Retail margins - miscellaneous products (except cannabis)	1.561	1.551	1.552	1.484	1.2
Retail margins - cannabis products (licensed)	1.706	1.831	1.829	1.555	1.2
Retail margins - cannabis products (unlicensed)	1.532	1.412	1.414	1.240	1.2
Retail margins - household fuels	1.597	1.598	1.599	1.442	1.4
Used motor vehicles	NA	NA	NA	NA	NA
Other used consumer goods	NA	NA	NA	NA	NA
Retail trade commissions	1.507	1.464	1.465	1.425	1.2
Air passenger transportation services	1.699	1.827	1.825	1.707	1.6
Air freight transportation services	1.699	1.827	1.825	1.707	1.6
Air specialty services	1.684	1.789	1.782	1.637	1.5
Rail passenger transportation services	1.505	1.387	1.380	1.642	1.9
Rail freight transportation services	1.505	1.387	1.380	1.642	1.9
Water passenger transportation services	1.379	1.352	1.349	1.273	1.1
Water freight transportation services	1.489	1.468	1.467	1.366	1.2
Moving services	1.878	2.166	2.111	1.901	1.8
Road transportation services for general freight	1.869	2.135	2.083	1.883	1.8
Road transportation services for specialized freight	1.879	2.165	2.111	1.905	1.8
Urban transit services	2.226	1.363	2.679	1.257	1.3
Interurban and rural bus passenger transportation services	1.434	1.337	1.338	1.248	1.1
School bus services	1.436	1.338	1.339	1.286	1.2

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Other transit and passenger transportation services by road	1.446	1.338	1.349	1.254	1.1
Scenic and sightseeing tour services	1.426	1.337	1.330	1.248	1.1
Taxi and limousine services	1.700	1.894	1.857	1.609	1.3
Transportation of natural gas by pipeline	1.158	1.097	1.098	1.369	1.5
Transportation of crude oil and other commodities by pipeline	1.444	1.378	1.379	1.965	2.6
Air transportation support services	1.672	1.830	1.834	1.887	1.8
Aircraft maintenance and repair services	1.615	1.766	1.770	1.790	1.7
Rail transportation support, maintenance and repair services	1.660	1.804	1.807	1.917	1.8
Water transportation support, maintenance and repair services	1.639	1.718	1.721	1.697	1.7
Road transportation support services	1.625	1.687	1.692	1.766	1.8
Freight transportation arrangement and customs brokering services	1.667	1.826	1.830	1.915	1.8
Other transportation support services	1.667	1.835	1.839	1.931	1.8
Postal services	1.483	1.345	1.345	1.202	1.2
Courier, parcel, and local messenger and delivery services	1.665	1.685	1.679	1.631	1.4
Grain storage	1.343	1.265	1.267	1.281	1.2
Warehousing and storage services (except grain storage)	1.563	1.491	1.489	1.465	1.3
Newspapers	1.581	1.624	1.629	1.582	1.5
Advertising space in printed newspapers	1.581	1.624	1.629	1.582	1.5
Periodicals	1.476	1.465	1.468	1.540	1.5
Books	1.435	1.379	1.381	1.452	1.5
Other published products	1.453	1.455	1.458	1.513	1.5
Advertising space in printed periodicals and in other printed publications	1.454	1.445	1.447	1.549	1.6
Licensing of rights for commercial use of literary works (except software) and artistic works	1.705	1.890	1.890	1.623	1.9
General purpose software	1.458	1.428	1.433	1.401	1.6
Recorded movies, television programs and videos	NA	NA	NA	NA	NA
Movie, television program and video production, post-production and editing services	1.665	1.990	2.364	1.593	1.5
Licensing of rights for commercial use of dramatic works, and other copyrighted property n.e.c.	1.663	1.981	2.345	1.593	1.5
Admissions to motion picture film exhibitions	1.395	1.449	1.438	1.749	1.4
Recorded music and other sound recordings	1.388	1.492	1.488	1.424	1.2
Audio recording services and copyright administration	1.410	1.507	1.502	1.427	1.2
Licensing of rights for commercial use of musical works and sound recordings	1.407	1.542	1.538	1.418	1.2
Advertising air time on radio	1.403	1.420	1.413	1.454	1.4
Advertising air time on television	1.404	1.426	1.417	1.462	1.4
Fees for the distribution of television and radio program channels (affiliation payments)	1.342	1.593	1.550	2.310	1.8
Fixed telecommunications services (except Internet access)	1.230	1.216	1.217	1.573	1.7
Mobile telecommunications services	1.230	1.216	1.217	1.573	1.7
Broadcasting and online games distribution services	1.230	1.216	1.217	1.573	1.7
Fixed Internet access services	1.230	1.216	1.217	1.573	1.7
Data processing, hosting, and related services (except software as a service, on cloud)	1.461	1.436	1.439	1.467	1.5
Subscriptions for online content	NA	NA	NA	NA	NA
Internet advertising	1.636	1.747	1.748	1.606	1.8
Other information services	1.874	2.766	2.777	2.662	3.3
Central banking services	1.501	1.488	1.478	1.383	5.2
Local credit union services - explicit charges (fees)	1.623	1.670	1.663	1.459	1.5
Banking and other depository credit intermediation services - explicit charges	1.367	1.287	1.287	1.374	1.5
Non-depository credit intermediation services - explicit charges (fees)	1.501	1.494	1.489	1.641	1.8

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Other services related to credit intermediation	1.643	1.892	1.852	1.831	1.6
Investment banking services	1.578	1.540	1.537	1.612	1.7
Security brokerage and securities dealing services	1.689	1.731	1.722	1.758	1.9
Portfolio management services	1.727	1.860	1.850	1.893	2.1
Investment counselling services	1.710	1.782	1.772	1.819	2.0
Holding company services and other financial investment and related activities	1.773	1.922	1.913	1.643	1.7
Life insurance services	1.806	2.256	2.244	3.183	3.2
Health and accident insurance services	1.806	2.256	2.244	3.183	3.2
Vehicle insurance services	1.806	2.256	2.244	3.183	3.2
Property insurance services	1.806	2.256	2.244	3.183	3.2
Liability and other property and casualty insurance services	1.806	2.254	2.243	3.174	3.2
Insurance brokerage and other services related to insurance	1.563	1.499	1.491	1.379	1.3
Trusteed pension fund services	2.015	2.875	2.775	2.301	2.5
Mutual funds (cost of service) and other similar services	2.015	2.875	2.775	2.301	2.5
Deposit intermediation services indirectly measured (FISIM)	1.386	1.308	1.308	1.383	1.5
Residential mortgage intermediation services indirectly measured (FISIM)	1.391	1.315	1.315	1.389	1.5
Other loan intermediation services indirectly measured (FISIM)	1.435	1.378	1.377	1.480	1.6
Rental of residential real estate	1.545	1.452	1.451	1.747	3.0
Rental of non-residential real estate	1.541	1.463	1.462	1.696	2.3
Imputed rental of owner-occupied dwellings	1.628	1.420	1.421	1.339	0.0
Real estate brokerage and other services related to real estate	1.623	1.669	1.660	1.659	1.5
Rental and operating leasing services of motor vehicles	1.558	1.583	1.575	1.932	1.9
Computer equipment rental and leasing services	NA	NA	NA	NA	NA
Office machinery and equipment (except computer equipment) rental and leasing services	NA	NA	NA	NA	NA
Rental and operating leasing services of commercial and industrial machinery and equipment	1.526	1.519	1.513	1.612	1.6
Rental and operating leasing services of other goods	1.505	1.497	1.491	1.588	1.5
Licensing of rights for commercial use of non-financial intangible assets (except software and other copyright licensing)	1.580	1.638	1.638	1.695	1.6
Legal services	1.571	1.455	1.457	1.363	1.5
Accounting, tax preparation, bookkeeping and payroll services	1.547	1.485	1.488	1.380	1.4
Architectural, engineering and related services	1.547	1.537	1.539	1.429	1.5
Specialized design services	1.601	1.638	1.638	1.545	1.3
Custom software design and development services	1.447	1.432	1.436	1.451	1.5
Own-account software design and development services	1.547	1.530	1.531	1.548	1.6
Computer systems design and related services (except software development)	1.448	1.432	1.436	1.449	1.5
Management, scientific and technical consulting services	1.553	1.522	1.525	1.482	1.5
Research and development services	1.451	1.332	1.374	1.494	1.6
Own-account research and development (except software development)	1.440	1.380	1.381	1.443	1.5
Advertising, public relations, and related services	1.609	1.638	1.684	1.581	1.5
Photographic services	1.677	1.821	1.821	1.666	1.5
Veterinary services	1.709	1.913	1.914	1.764	1.7
Other professional, scientific and technical services	1.690	1.851	1.852	1.718	1.7
Holding company services (imputed)	1.609	1.599	1.601	1.411	1.4
Head office services (imputed)	1.577	1.612	1.611	1.766	1.9
Office administrative services	1.553	1.524	1.526	1.481	1.5

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Employment services	1.562	1.525	1.527	1.433	1.5
Business support services	1.518	1.497	1.496	1.453	1.4
Travel arrangement, reservation and planning services	1.647	1.739	1.741	1.675	1.8
Investigation and security services	1.398	1.328	1.330	1.250	1.1
Services to buildings and dwellings	1.561	1.605	1.597	1.516	1.3
Facilities and other support services	1.491	1.464	1.466	1.831	1.9
Waste management and remediation services	1.596	1.622	1.621	1.846	1.9
Tuition and similar fees for elementary and secondary schools	1.384	1.291	1.289	1.214	1.2
Tuition and similar fees for colleges and C.E.G.E.P.s	1.443	1.336	1.335	1.272	1.3
Tuition and similar fees for universities	1.339	1.239	1.239	1.268	1.3
Tuition and similar fees for trade, technical and professional training	1.591	1.589	1.586	1.415	1.2
Other educational training and services	1.659	1.712	1.706	1.470	1.3
Physician services	1.339	1.243	1.242	1.319	1.4
Dental services	1.470	1.454	1.448	1.466	1.4
Other health practitioner services	1.367	1.262	1.262	1.185	1.1
Medical laboratory diagnostic and testing services	1.367	1.262	1.262	1.185	1.1
Ambulance services	1.378	1.276	1.276	1.196	1.1
Hospital services	1.456	1.427	1.429	1.351	1.4
Nursing and residential care services	1.438	1.338	1.336	1.263	1.2
Child day-care services	1.586	1.600	1.590	1.416	1.2
Other ambulatory health care services and social assistance services	1.550	1.543	1.540	1.387	1.3
Admissions to live sporting events	1.552	1.550	1.568	1.479	1.4
Admissions to live performing arts performances	1.543	1.547	1.558	1.460	1.3
Sport and performing arts event organization services	1.489	1.443	1.445	1.410	1.3
Career management and representation services of public figures	1.569	1.584	1.608	1.499	1.4
Contract production of live performing arts performances, live sporting events and copyrighted works	1.546	1.542	1.562	1.481	1.4
Sporting event media rights	1.547	1.533	1.551	1.483	1.4
Heritage institution services	1.535	1.532	1.532	1.466	1.4
Amusement and recreational services	1.540	1.574	1.567	1.499	1.3
Gambling (net wagers)	1.578	1.851	1.828	1.668	1.5
Room or unit accommodation services for travellers	1.401	1.349	1.345	1.388	1.2
Recreational vehicle park and recreational camp services	1.476	1.516	1.496	1.637	1.4
Rooming and boarding services	1.442	1.414	1.405	1.445	1.3
Prepared meals	1.571	1.600	1.594	1.463	1.2
Alcoholic beverages for immediate consumption	1.562	1.592	1.585	1.471	1.2
Motor vehicle repair and maintenance services	1.521	1.509	1.509	1.416	1.4
Repair and maintenance services (except for buildings and transportation equipment)	1.491	1.452	1.451	1.422	1.4
Funeral services	1.403	1.359	1.359	1.507	1.4
Laundry, dry-cleaning and related services	1.507	1.485	1.481	1.490	1.3
Hair care and aesthetic services	1.566	1.568	1.567	1.425	1.2
Parking services	1.537	1.502	1.502	1.459	1.3
Other personal and personal care services	1.553	1.550	1.548	1.428	1.2
Other membership services	1.646	1.651	1.702	1.425	1.5
Babysitting services	1.270	1.164	1.165	1.117	1.0
Private household services (except babysitting)	1.270	1.164	1.165	1.117	1.0
Sales of other services by Non-Profit Institutions Serving Households	1.675	1.879	1.856	1.597	1.3
Sales of other government services	1.714	1.891	1.896	1.728	2.1
Repair and maintenance	NA	NA	NA	NA	NA
Operating supplies	NA	NA	NA	NA	NA
Office supplies	NA	NA	NA	NA	NA
Advertising, promotion, meals and entertainment	NA	NA	NA	NA	NA
Travel, meetings and conventions	NA	NA	NA	NA	NA

Commodity Title	Output	GDP at Basic Prices	GDP at Market Prices	Labour Income	Employment/ \$1,000,000
Transportation margins	NA	NA	NA	NA	NA
Educational services provided by Non-Profit Institutions Serving Households	1.406	1.333	1.327	1.229	1.1
Ambulatory health care services provided by Non-Profit Institutions Serving Households	1.620	1.686	1.682	1.466	1.5
Social assistance services provided by Non-Profit Institutions Serving Households	1.426	1.326	1.326	1.218	1.2
Arts, entertainment and recreation services provided by Non-Profit Institutions Serving Households	1.540	1.611	1.597	1.415	1.2
Religious services	1.570	1.605	1.599	1.407	1.3
Grant-making, civic, and professional and similar organization services	1.689	1.902	1.880	1.591	1.5
Labour organization membership services	1.689	1.902	1.880	1.591	1.5
Political organization services	1.689	1.902	1.880	1.591	1.5
Other services provided by Non-Profit Institutions Serving Households	1.702	2.004	1.967	1.719	1.3
Elementary and secondary school services provided by governments	1.376	1.277	1.276	1.209	1.2
Community college and C0E0G0E0P services provided by governments	1.443	1.336	1.335	1.272	1.3
University services provided by governments	1.339	1.239	1.239	1.268	1.3
Other educational services provided by governments	1.532	1.439	1.438	1.383	2.3
Hospital services provided by governments	1.456	1.427	1.429	1.351	1.4
Residential care facility services provided by governments	1.503	1.390	1.391	1.294	1.4
Defence services	1.514	1.438	1.440	1.348	1.5
Other federal government services	1.617	1.596	1.599	1.463	1.7
Other provincial and territorial government services	1.879	2.808	2.819	2.723	3.4
Other municipal government services	1.436	1.338	1.339	1.391	1.5
Other aboriginal government services	1.812	2.189	2.190	2.013	1.8

Table 13: Alberta Commodity Supply Ratios (Percent)

Commodity Title	Alberta	Rest of Canada	Rest of World	Total
Canola (including rapeseed)	83.2	14.6	2.2	100.0
Oilseeds (except canola)	91.8	0.0	8.2	100.0
Wheat	99.4	0.1	0.4	100.0
Grains (except wheat)	70.5	25.5	4.0	100.0
Fresh potatoes	92.0	0.6	7.3	100.0
Fresh fruit and nuts	0.5	5.2	94.3	100.0
Other miscellaneous crop products	81.9	12.1	6.0	100.0
Fresh vegetables (except potatoes)	68.0	0.0	32.0	100.0
Imputed feed (animal feed produced for own consumption)	100.0	0.0	0.0	100.0
Floriculture and nursery products (except cannabis), and sod	29.9	69.5	0.6	100.0
Cannabis plants, seeds and flowering tops	87.6	12.4	0.0	100.0
Cattle and calves	78.3	18.7	3.0	100.0
Unprocessed milk	95.3	4.7	0.0	100.0
Hogs	93.8	6.1	0.1	100.0
Eggs in shell	86.4	12.4	1.2	100.0
Poultry	99.2	0.8	0.0	100.0
Other live animals	68.2	11.0	20.8	100.0
Raw furskins, and animal products n.e.c.	99.6	0.1	0.3	100.0
Imputed fertilizer (fertilizer produced for own consumption)	100.0	0.0	0.0	100.0
Logs and bolts	88.6	11.3	0.1	100.0
Pulpwood	52.9	47.1	0.0	100.0
Fuel wood	100.0	0.0	0.0	100.0
Rough untreated poles, posts and piling	54.4	0.0	45.6	100.0
Fish, crustaceans, shellfish and other fishery products	1.1	96.1	2.8	100.0
Custom work services for forestry	100.0	0.0	0.0	100.0
Support services for crop production	89.6	10.4	0.0	100.0
Support services for animal production, hunting and fishing	98.9	1.1	0.0	100.0
Support services for forestry	100.0	0.0	0.0	100.0
Conventional crude oil	91.3	8.6	0.1	100.0
Synthetic crude oil	100.0	0.0	0.0	100.0
Natural gas	94.5	5.3	0.2	100.0
Natural gas liquids and related products	90.1	2.8	7.1	100.0
Crude and diluted bitumen	100.0	0.0	0.0	100.0
Coal	99.9	0.1	0.0	100.0
Iron ores and concentrates	NA	NA	NA	NA
Gold and silver ores and concentrates	100.0	0.0	0.0	100.0
Copper ores and concentrates	NA	NA	NA	NA
Nickel ores and concentrates	0.0	0.0	100.0	100.0
Lead and zinc ores and concentrates	NA	NA	NA	NA
Radioactive ores and concentrates	NA	NA	NA	NA
Other metal ores and concentrates	NA	NA	NA	NA
Stone	78.4	19.3	2.3	100.0
Sand, gravel, clay, and refractory minerals	91.9	2.6	5.5	100.0
Uncut and industrial diamonds	NA	NA	NA	NA
Potash	0.0	97.9	2.1	100.0
Non-metallic minerals (except diamonds)	67.5	12.8	19.7	100.0
Support services for oil and gas extraction (except exploration)	97.3	2.2	0.5	100.0
Support services for mining and quarrying (except exploration)	96.9	3.1	0.0	100.0
Oil and gas and mineral exploration	99.8	0.2	0.0	100.0
Electricity	98.0	0.5	1.4	100.0
Natural gas distribution	100.0	0.0	0.0	100.0
Water delivered by water works and irrigation systems	100.0	0.0	0.0	100.0
Sewage and dirty water disposal and cleaning services	100.0	0.0	0.0	100.0
Steam and heated or cooled air or water	100.0	0.0	0.0	100.0
Residential buildings	100.0	0.0	0.0	100.0
Industrial buildings (except mine buildings)	100.0	0.0	0.0	100.0
Office buildings	100.0	0.0	0.0	100.0
Shopping centres, plazas, malls and stores	100.0	0.0	0.0	100.0
Other commercial buildings	100.0	0.0	0.0	100.0
Schools, colleges, universities and other educational buildings	100.0	0.0	0.0	100.0

Commodity Title	Alberta	Rest of Canada	Rest of World	Total
Health care buildings, nursing homes and senior citizen homes	100.0	0.0	0.0	100.0
Other institutional buildings	100.0	0.0	0.0	100.0
Highways, roads, streets, bridges and tunnels	100.0	0.0	0.0	100.0
Other land transportation civil engineering works	100.0	0.0	0.0	100.0
Oil and gas extraction sites and structures	100.0	0.0	0.0	100.0
Other oil and gas engineering works	100.0	0.0	0.0	100.0
Electric power engineering works	100.0	0.0	0.0	100.0
Communications networks	100.0	0.0	0.0	100.0
Marine engineering works	100.0	0.0	0.0	100.0
Waterworks engineering works	100.0	0.0	0.0	100.0
Sewage engineering works	100.0	0.0	0.0	100.0
Mining engineering works	100.0	0.0	0.0	100.0
Other civil engineering works	100.0	0.0	0.0	100.0
Repair construction services	100.0	0.0	0.0	100.0
Dog and cat food	65.6	12.4	22.0	100.0
Other animal feed	47.9	34.8	17.4	100.0
Flour and other grain mill products	33.4	21.1	45.5	100.0
Margarine and cooking oils	88.3	1.3	10.4	100.0
Breakfast cereal and other cereal products	34.8	17.7	47.5	100.0
Grain and oilseed products, n.e.c.	89.3	7.1	3.6	100.0
Sugar and sugar mill by-products	38.9	31.0	30.1	100.0
Chocolate (except confectionery)	3.3	3.7	93.1	100.0
Confectionery products	1.7	10.0	88.3	100.0
Fresh, frozen and canned fruit and vegetable juices	11.5	41.8	46.7	100.0
Preserved fruit and vegetables and frozen foods	40.7	17.1	42.2	100.0
Processed fluid milk and milk products	55.9	43.5	0.6	100.0
Cheese and cheese products	42.8	55.8	1.4	100.0
Butter and dry and canned dairy products	43.6	16.1	40.3	100.0
Ice cream, sherbet and similar frozen desserts	40.0	53.0	6.9	100.0
Fresh and frozen beef and veal	98.9	0.9	0.1	100.0
Fresh and frozen pork	60.8	35.6	3.6	100.0
Fresh and frozen poultry of all types	54.9	40.4	4.7	100.0
Processed meat products, other miscellaneous meats and animal by-products	55.5	33.9	10.6	100.0
Prepared and packaged seafood products	1.9	4.5	93.6	100.0
Bread, rolls and flatbreads	49.6	44.8	5.6	100.0
Cookies, crackers and baked sweet goods	39.1	27.1	33.8	100.0
Flour mixes, dough and dry pasta	36.6	32.9	30.5	100.0
Snack food products	65.9	21.0	13.1	100.0
Coffee and tea	3.9	38.3	57.8	100.0
Flavouring syrups, seasonings and dressings	22.6	39.1	38.3	100.0
Other food products, n.e.c.	20.8	46.5	32.8	100.0
Carbonated and non-carbonated drinks, bottled water and ice	50.2	38.2	11.7	100.0
Beer	52.2	39.5	8.4	100.0
Wine and brandy	6.0	21.7	72.3	100.0
Distilled liquor	27.7	6.9	65.4	100.0
Stemmed, redried or reconstituted tobacco	76.9	23.1	0.0	100.0
Cigarettes, cigars, chewing and smoking tobacco	0.1	71.1	28.8	100.0
Cannabis products (except seeds, plants, and plant parts)	0.0	100.0	0.0	100.0
Fibre, yarn and thread	0.8	31.2	68.0	100.0
Fabrics	3.5	16.1	80.4	100.0
Carpets, rugs and mats	2.2	12.3	85.5	100.0
Other textile furnishings	2.6	2.7	94.7	100.0
Textile products, n.e.c.	25.1	7.4	67.5	100.0
Fabric weaving and finishing services	100.0	0.0	0.0	100.0
Men's, women's, boys' and girls' clothing	1.5	4.1	94.4	100.0
Infant clothing	0.0	0.0	100.0	100.0
Clothing accessories	3.5	0.0	96.5	100.0
Leather and dressed furs	2.9	45.1	52.0	100.0
Footwear	0.3	0.0	99.7	100.0
Suitcases, handbags and other leather and allied products	0.5	0.3	99.3	100.0
Hardwood lumber	0.0	56.4	43.6	100.0
Softwood lumber	95.4	4.3	0.4	100.0
Wood chips	69.3	30.3	0.4	100.0
Other sawmill products and treated wood products	46.6	48.5	4.9	100.0

Commodity Title	Alberta	Rest of Canada	Rest of World	Total
Veneer and plywood	65.4	18.0	16.5	100.0
Wood trusses and engineered wood members	90.4	9.6	0.0	100.0
Reconstituted wood products	87.7	8.7	3.6	100.0
Wood windows and doors	72.4	15.4	12.1	100.0
Wood containers and pallets	27.7	53.3	19.0	100.0
Prefabricated wood and manufactured (mobile) buildings and components	91.8	8.1	0.0	100.0
Wood products, n.e.c.	53.8	25.1	21.1	100.0
Waste and scrap of wood and wood by-products	97.0	2.4	0.6	100.0
Wood pulp	100.0	0.0	0.0	100.0
Paper (except newsprint)	6.8	66.7	26.5	100.0
Newsprint	96.8	3.1	0.1	100.0
Paperboard	0.0	24.8	75.2	100.0
Paperboard containers	31.4	6.3	62.3	100.0
Paper office supplies	45.3	29.4	25.4	100.0
Disposable diapers and feminine hygiene products	0.0	11.7	88.3	100.0
Sanitary paper products	0.0	44.6	55.4	100.0
Other converted paper products	21.5	5.3	73.1	100.0
Waste and scrap of paper and paperboard	100.0	0.0	0.0	100.0
Printed products	51.9	31.3	16.8	100.0
Printing support services	89.7	0.0	10.3	100.0
Contract printing services for publishers	44.0	56.0	0.0	100.0
Motor gasoline	92.6	5.6	1.8	100.0
Diesel and biodiesel fuels	89.7	6.9	3.4	100.0
Light fuel oils	99.5	0.3	0.3	100.0
Aviation fuel	75.6	0.3	24.1	100.0
Heavy fuel oils	76.7	8.4	14.9	100.0
Lubricants and other petroleum refinery products	29.5	16.4	54.2	100.0
Asphalt (except natural) and asphalt products	80.0	18.0	2.0	100.0
Coke and other coke oven products	94.9	0.0	5.1	100.0
Solid fuel products, n.e.c.	82.1	11.5	6.4	100.0
Petrochemicals	90.6	1.3	8.1	100.0
Industrial gases	87.9	11.1	1.0	100.0
Dyes and pigments	0.0	4.3	95.7	100.0
Other basic inorganic chemicals and nuclear fuel	49.1	15.8	35.1	100.0
Basic organic chemicals, n.e.c.	63.9	0.1	36.0	100.0
Plastic resins	93.1	0.5	6.4	100.0
Rubber and rubber compounds and mixtures	6.3	2.3	91.3	100.0
Artificial and synthetic fibres and filaments	0.0	16.9	83.1	100.0
Ammonia and chemical fertilizers	72.1	4.1	23.8	100.0
Pesticides and other agricultural chemicals	10.4	22.7	66.9	100.0
Pharmaceutical and medicinal products	9.0	2.6	88.4	100.0
Paints, coatings and adhesive products	15.6	44.4	40.0	100.0
Soaps and cleaning compounds	10.5	22.5	67.0	100.0
Perfumes and toiletries	1.1	1.3	97.6	100.0
Chemical products, n.e.c.	56.1	15.9	28.0	100.0
Plastic bags	33.1	17.6	49.3	100.0
Plastic films and non-rigid sheets	33.8	16.4	49.8	100.0
Plastic and foam building and construction materials	44.1	34.8	21.1	100.0
Plastic profile shapes	25.5	33.6	41.0	100.0
Foam products (except for construction)	45.5	43.8	10.8	100.0
Plastic bottles	65.3	9.1	25.7	100.0
Motor vehicle plastic parts	13.9	24.0	62.1	100.0
Plastic products, n.e.c.	23.0	6.2	70.8	100.0
Tires	12.1	6.8	81.1	100.0
Rubber and plastic hoses and belts	56.1	3.5	40.4	100.0
Rubber products, n.e.c.	33.2	12.8	54.0	100.0
Waste and scrap of plastic and rubber	16.9	0.0	83.1	100.0
Cement	87.1	8.0	4.9	100.0
Ready-mixed concrete	100.0	0.0	0.0	100.0
Concrete products	73.5	8.2	18.3	100.0
Clay and ceramic products and refractories	0.2	2.2	97.5	100.0
Glass (including automotive), glass products and glass containers	22.8	6.0	71.2	100.0
Waste and scrap of glass	0.0	0.0	100.0	100.0
Lime and gypsum products	59.4	38.5	2.1	100.0

Commodity Title	Alberta	Rest of Canada	Rest of World	Total
Non-metallic mineral products, n.e.c.	51.6	7.7	40.7	100.0
Iron and steel basic shapes and ferro-alloy products	21.7	32.3	46.0	100.0
Iron and steel pipes and tubes (except castings)	30.8	13.1	56.0	100.0
Cold-rolled iron or steel products	9.3	12.4	78.2	100.0
Bauxite and aluminum oxide	NA	NA	NA	NA
Unwrought aluminum including alloys	0.1	23.6	76.3	100.0
Basic and semi-finished products of aluminum and alloys	16.3	12.5	71.2	100.0
Unwrought copper including alloys	0.0	12.8	87.2	100.0
Unwrought nickel including alloys	99.7	0.0	0.3	100.0
Unwrought precious metals including alloys	0.0	99.6	0.4	100.0
Other unwrought non-ferrous metals including alloys	84.9	2.0	13.0	100.0
Gold, store of value	NA	NA	NA	NA
Basic and semi-finished products of non-ferrous metals and alloys (except aluminum)	43.4	0.6	56.0	100.0
Ferrous metal castings	25.7	47.4	26.9	100.0
Non-ferrous metal castings	0.0	99.6	0.4	100.0
Waste and scrap of iron and steel	81.3	18.4	0.3	100.0
Waste and scrap of non-ferrous metals	99.1	0.0	0.9	100.0
Forged and stamped metal products	38.2	45.6	16.3	100.0
Prefabricated metal buildings and other non-wood buildings, and components	73.4	24.1	2.5	100.0
Fabricated steel plate and other fabricated structural metal	75.1	18.9	6.0	100.0
Metal windows and doors	53.8	40.0	6.2	100.0
Other architectural metal products	71.4	22.5	6.2	100.0
Light gauge metal containers, crowns and closures	56.7	6.3	37.0	100.0
Boilers, tanks and heavy gauge metal containers	64.8	18.7	16.4	100.0
Builders, motor vehicle and other hardware	5.1	11.0	83.9	100.0
Springs and wire products	25.7	3.0	71.4	100.0
Threaded metal fasteners and other turned metal products including automotive	63.8	5.7	30.5	100.0
Coating, engraving, heat treating and similar metal processing services	73.6	26.4	0.0	100.0
Hand tools, kitchen utensils and cutlery (except precious metal)	3.0	1.9	95.0	100.0
Metal valves and pipe fittings	15.2	2.5	82.3	100.0
Ball and roller bearings	2.9	12.0	85.1	100.0
Guns, ammunition and other munitions	0.2	16.7	83.1	100.0
Fabricated metal products, n.e.c.	58.9	29.9	11.2	100.0
Agricultural, lawn and garden machinery and equipment	24.0	23.1	53.0	100.0
Logging, mining and construction machinery and equipment	36.9	2.8	60.4	100.0
Other industry-specific machinery	15.0	6.9	78.2	100.0
Commercial and service industry machinery	13.4	16.5	70.1	100.0
Industrial and commercial fans, blowers and air purification equipment	22.3	1.6	76.1	100.0
Heating and cooling equipment (except household refrigerators and freezers)	35.7	14.8	49.5	100.0
Metalworking machinery and industrial moulds	12.4	27.1	60.6	100.0
Turbines, turbine generators, and turbine generator sets (except aircraft turbines)	0.0	7.2	92.8	100.0
Other engine and power transmission equipment	24.4	0.4	75.2	100.0
Pumps and compressors (except fluid power)	49.4	0.1	50.5	100.0
Material handling equipment	11.4	0.5	88.1	100.0
Other miscellaneous general-purpose machinery	9.2	0.2	90.6	100.0
Computers, computer peripherals and parts	1.4	0.0	98.5	100.0
Telephone apparatus	2.2	0.0	97.8	100.0
Other communications equipment	10.7	0.1	89.2	100.0
Audio and video equipment and unrecorded media	1.0	0.1	98.8	100.0
Navigational and guidance instruments	78.4	0.2	21.4	100.0
Medical devices	4.3	0.1	95.7	100.0
Measuring, control and scientific instruments	23.7	0.0	76.3	100.0
Printed and integrated circuits, semiconductors and printed circuit assemblies	23.8	0.8	75.4	100.0
Other electronic components	22.5	9.3	68.2	100.0
Electric light bulbs and tubes	3.5	13.8	82.7	100.0
Lighting fixtures	7.0	9.1	83.9	100.0
Small electric appliances	0.9	4.4	94.7	100.0

Commodity Title	Alberta	Rest of Canada	Rest of World	Total
Major appliances	0.0	2.9	97.1	100.0
Power, distribution and other transformers	2.3	45.8	51.8	100.0
Electric motors and generators	9.1	1.9	89.0	100.0
Switchgear, switchboards, relays and industrial control apparatus	31.7	7.9	60.4	100.0
Batteries and battery chargers	4.4	0.3	95.3	100.0
Communication and electric wire and cable	30.2	44.9	24.9	100.0
Wiring devices	7.3	4.5	88.2	100.0
Other electrical equipment and components	11.7	5.2	83.1	100.0
Passenger cars	0.0	1.3	98.7	100.0
Light-duty trucks, vans and sport utility vehicles (SUVs)	0.0	2.1	97.9	100.0
Medium and heavy-duty trucks	0.1	0.0	99.9	100.0
Buses	0.0	54.6	45.4	100.0
Motor vehicle bodies and special purpose motor vehicles	47.2	35.7	17.1	100.0
Freight and utility trailers	13.3	40.2	46.5	100.0
Motor homes, travel trailers and camping trailers	0.7	13.5	85.8	100.0
Motor vehicle gasoline engines and engine parts	1.7	0.1	98.2	100.0
Motor vehicle electrical and electronic equipment	10.0	10.4	79.6	100.0
Motor vehicle steering and suspension components	13.1	28.0	58.9	100.0
Motor vehicle brakes and brake systems	2.5	14.3	83.2	100.0
Motor vehicle transmission and drive train components	2.0	4.6	93.4	100.0
Motor vehicle interior trim, seats and seat parts	1.4	2.6	95.9	100.0
Motor vehicle metal stampings	1.9	0.8	97.3	100.0
Other miscellaneous motor vehicle parts	4.1	7.0	88.9	100.0
Aircraft	7.3	11.7	81.0	100.0
Aircraft engines	28.6	34.0	37.4	100.0
Aircraft parts and other aerospace equipment	14.4	14.7	70.9	100.0
Locomotives, railway rolling stock, and rapid transit equipment	0.0	2.7	97.3	100.0
Parts of railway rolling stock	0.0	9.0	91.0	100.0
Ships	0.0	0.0	100.0	100.0
Boats and personal watercraft	9.9	21.2	68.9	100.0
Other transportation equipment and related parts	0.0	45.0	55.0	100.0
Wood cabinets and counter tops	45.4	44.8	9.8	100.0
Household furniture	15.6	5.2	79.2	100.0
Institutional and other furniture, n.e.c.	2.8	3.0	94.2	100.0
Office furniture	17.0	29.3	53.7	100.0
Office and store fixtures	20.3	32.6	47.1	100.0
Mattresses and foundations	69.4	20.3	10.4	100.0
Blinds, shades, and curtain fixtures	42.2	54.6	3.2	100.0
Medical, dental and personal safety supplies, instruments and equipment	15.7	15.4	68.9	100.0
Jewellery and silverware	6.7	0.5	92.7	100.0
Sporting and athletic goods	11.0	4.8	84.3	100.0
Toys and games	0.9	0.0	99.1	100.0
Office supplies (except paper)	1.4	0.0	98.6	100.0
Signs	87.8	10.4	1.8	100.0
Other miscellaneous manufactured products	31.2	8.9	60.0	100.0
Custom manufacturing services (except printing, finishing of textiles and metals)	88.8	8.7	2.5	100.0
Wholesale margins - farm products	84.7	15.3	0.0	100.0
Wholesale margins - petroleum and petroleum products	98.2	1.8	0.0	100.0
Wholesale margins - food, beverages and tobacco products	65.8	34.2	0.0	100.0
Wholesale margins - personal and household goods	35.7	64.3	0.0	100.0
Wholesale margins - motor vehicles, motor vehicle parts and accessories	79.0	21.0	0.0	100.0
Wholesale margins - building materials and supplies	75.2	24.8	0.0	100.0
Wholesale margins - machinery, equipment and supplies	74.3	25.7	0.0	100.0
Wholesale margins - miscellaneous products	82.4	17.6	0.0	100.0
Wholesale trade commissions	53.8	3.6	42.6	100.0
Retail margins - motor vehicles and parts	99.7	0.3	0.0	100.0
Retail margins - furniture and home furnishings	99.6	0.4	0.0	100.0
Retail margins - electronics and appliances	99.7	0.3	0.0	100.0
Retail margins - building materials, garden equipment and supplies	100.0	0.0	0.0	100.0
Retail margins - food and beverages	98.9	1.1	0.0	100.0
Retail margins - health and personal care products	99.8	0.2	0.0	100.0
Retail margins - automotive fuels	97.1	2.9	0.0	100.0

Commodity Title	Alberta	Rest of Canada	Rest of World	Total
Retail margins - clothing and clothing accessories	98.1	1.9	0.0	100.0
Retail margins - sporting and leisure products	99.2	0.8	0.0	100.0
Retail margins - miscellaneous products (except cannabis)	99.6	0.4	0.0	100.0
Retail margins - cannabis products (licensed)	100.0	0.0	0.0	100.0
Retail margins - cannabis products (unlicensed)	100.0	0.0	0.0	100.0
Retail margins - household fuels	96.1	3.9	0.0	100.0
Used motor vehicles	0.0	61.5	38.5	100.0
Other used consumer goods	NA	NA	NA	NA
Retail trade commissions	100.0	0.0	0.0	100.0
Air passenger transportation services	63.1	18.4	18.5	100.0
Air freight transportation services	81.2	18.5	0.3	100.0
Air specialty services	57.8	40.7	1.5	100.0
Rail passenger transportation services	26.6	22.6	50.8	100.0
Rail freight transportation services	95.8	3.8	0.4	100.0
Water passenger transportation services	0.3	66.5	33.2	100.0
Water freight transportation services	2.1	97.9	0.0	100.0
Moving services	56.4	43.6	0.0	100.0
Road transportation services for general freight	82.1	15.5	2.5	100.0
Road transportation services for specialized freight	95.6	3.6	0.7	100.0
Urban transit services	88.4	2.1	9.5	100.0
Interurban and rural bus passenger transportation services	83.9	4.7	11.4	100.0
School bus services	99.6	0.4	0.0	100.0
Other transit and passenger transportation services by road	42.0	21.3	36.6	100.0
Scenic and sightseeing tour services	63.3	2.6	34.1	100.0
Taxi and limousine services	60.2	21.7	18.2	100.0
Transportation of natural gas by pipeline	88.1	11.9	0.0	100.0
Transportation of crude oil and other commodities by pipeline	95.2	4.1	0.8	100.0
Air transportation support services	78.2	15.3	6.6	100.0
Aircraft maintenance and repair services	57.7	16.4	25.9	100.0
Rail transportation support, maintenance and repair services	83.4	16.6	0.0	100.0
Water transportation support, maintenance and repair services	18.0	81.9	0.1	100.0
Road transportation support services	85.2	14.8	0.0	100.0
Freight transportation arrangement and customs brokering services	37.3	62.7	0.0	100.0
Other transportation support services	82.0	18.0	0.0	100.0
Postal services	57.9	38.5	3.7	100.0
Courier, parcel, and local messenger and delivery services	81.6	14.0	4.4	100.0
Grain storage	67.6	32.4	0.0	100.0
Warehousing and storage services (except grain storage)	90.9	9.1	0.0	100.0
Newspapers	77.0	21.8	1.2	100.0
Advertising space in printed newspapers	96.5	2.3	1.1	100.0
Periodicals	3.2	15.9	80.9	100.0
Books	6.0	7.2	86.8	100.0
Other published products	21.7	8.8	69.6	100.0
Advertising space in printed periodicals and in other printed publications	96.3	3.1	0.7	100.0
Licensing of rights for commercial use of literary works (except software) and artistic works	56.1	7.2	36.6	100.0
General purpose software	38.0	61.1	0.8	100.0
Recorded movies, television programs and videos	0.0	17.0	83.0	100.0
Movie, television program and video production, post-production and editing services	33.7	56.5	9.8	100.0
Licensing of rights for commercial use of dramatic works, and other copyrighted property n.e.c.	30.2	41.4	28.4	100.0
Admissions to motion picture film exhibitions	88.2	10.8	1.0	100.0
Recorded music and other sound recordings	5.5	50.1	44.4	100.0
Audio recording services and copyright administration	38.6	9.8	51.6	100.0
Licensing of rights for commercial use of musical works and sound recordings	3.5	16.7	79.8	100.0
Advertising air time on radio	74.5	20.4	5.1	100.0
Advertising air time on television	52.2	43.1	4.8	100.0
Fees for the distribution of television and radio program channels (affiliation payments)	16.6	68.2	15.2	100.0
Fixed telecommunications services (except Internet access)	78.8	11.2	10.0	100.0
Mobile telecommunications services	90.2	5.4	4.3	100.0
Broadcasting and online games distribution services	82.5	1.4	16.1	100.0

Commodity Title	Alberta	Rest of Canada	Rest of World	Total
Fixed Internet access services	97.9	1.7	0.5	100.0
Data processing, hosting, and related services (except software as a service, on cloud)	51.3	38.1	10.6	100.0
Subscriptions for online content	NA	NA	NA	NA
Internet advertising	45.2	40.4	14.4	100.0
Other information services	97.8	2.1	0.0	100.0
Central banking services	100.0	0.0	0.0	100.0
Local credit union services - explicit charges (fees)	100.0	0.0	0.0	100.0
Banking and other depository credit intermediation services - explicit charges	89.2	2.5	8.3	100.0
Non-depository credit intermediation services - explicit charges (fees)	66.8	31.0	2.2	100.0
Other services related to credit intermediation	67.8	30.7	1.5	100.0
Investment banking services	70.4	7.1	22.5	100.0
Security brokerage and securities dealing services	60.6	15.3	24.1	100.0
Portfolio management services	95.4	4.0	0.6	100.0
Investment counselling services	71.4	2.5	26.1	100.0
Holding company services and other financial investment and related activities	45.4	53.7	0.9	100.0
Life insurance services	36.8	31.4	31.8	100.0
Health and accident insurance services	48.1	41.8	10.1	100.0
Vehicle insurance services	43.0	53.0	4.0	100.0
Property insurance services	52.0	29.3	18.7	100.0
Liability and other property and casualty insurance services	48.2	51.6	0.2	100.0
Insurance brokerage and other services related to insurance	98.5	1.4	0.1	100.0
Trusteed pension fund services	100.0	0.0	0.0	100.0
Mutual funds (cost of service) and other similar services	44.0	56.0	0.0	100.0
Deposit intermediation services indirectly measured (FISIM)	61.1	35.7	3.2	100.0
Residential mortgage intermediation services indirectly measured (FISIM)	91.7	8.3	0.0	100.0
Other loan intermediation services indirectly measured (FISIM)	81.0	17.7	1.3	100.0
Rental of residential real estate	98.4	0.8	0.8	100.0
Rental of non-residential real estate	99.5	0.5	0.0	100.0
Imputed rental of owner-occupied dwellings	100.0	0.0	0.0	100.0
Real estate brokerage and other services related to real estate	96.6	3.4	0.0	100.0
Rental and operating leasing services of motor vehicles	83.7	7.8	8.5	100.0
Computer equipment rental and leasing services	NA	NA	NA	NA
Office machinery and equipment (except computer equipment) rental and leasing services	NA	NA	NA	NA
Rental and operating leasing services of commercial and industrial machinery and equipment	86.4	13.4	0.2	100.0
Rental and operating leasing services of other goods	55.9	44.1	0.0	100.0
Licensing of rights for commercial use of non-financial intangible assets (except software and other copyright licensing)	40.3	12.8	46.9	100.0
Legal services	79.3	16.9	3.8	100.0
Accounting, tax preparation, bookkeeping and payroll services	72.9	20.0	7.2	100.0
Architectural, engineering and related services	70.3	11.5	18.2	100.0
Specialized design services	72.5	27.5	0.0	100.0
Custom software design and development services	33.5	31.3	35.2	100.0
Own-account software design and development services	100.0	0.0	0.0	100.0
Computer systems design and related services (except software development)	47.8	43.6	8.6	100.0
Management, scientific and technical consulting services	97.9	1.8	0.2	100.0
Research and development services	82.5	4.7	12.8	100.0
Own-account research and development (except software development)	100.0	0.0	0.0	100.0
Advertising, public relations, and related services	66.1	17.3	16.6	100.0
Photographic services	78.6	21.4	0.0	100.0
Veterinary services	100.0	0.0	0.0	100.0
Other professional, scientific and technical services	72.9	24.0	3.1	100.0
Holding company services (imputed)	59.9	40.1	0.0	100.0
Head office services (imputed)	73.7	26.3	0.0	100.0
Office administrative services	41.3	8.2	50.5	100.0
Employment services	65.2	34.1	0.7	100.0
Business support services	55.4	26.9	17.8	100.0

Commodity Title	Alberta	Rest of Canada	Rest of World	Total
Travel arrangement, reservation and planning services	52.7	33.3	14.0	100.0
Investigation and security services	96.9	2.9	0.2	100.0
Services to buildings and dwellings	91.7	8.3	0.0	100.0
Facilities and other support services	77.8	22.2	0.0	100.0
Waste management and remediation services	99.3	0.2	0.5	100.0
Tuition and similar fees for elementary and secondary schools	92.1	0.0	7.9	100.0
Tuition and similar fees for colleges and C.E.G.E.P.s	80.7	13.4	6.0	100.0
Tuition and similar fees for universities	72.5	11.7	15.8	100.0
Tuition and similar fees for trade, technical and professional training	100.0	0.0	0.0	100.0
Other educational training and services	100.0	0.0	0.0	100.0
Physician services	99.7	0.0	0.3	100.0
Dental services	98.9	1.0	0.1	100.0
Other health practitioner services	97.3	2.7	0.0	100.0
Medical laboratory diagnostic and testing services	98.1	1.9	0.0	100.0
Ambulance services	98.9	1.1	0.0	100.0
Hospital services	72.9	25.3	1.9	100.0
Nursing and residential care services	100.0	0.0	0.0	100.0
Child day-care services	100.0	0.0	0.0	100.0
Other ambulatory health care services and social assistance services	100.0	0.0	0.0	100.0
Admissions to live sporting events	70.3	18.8	10.9	100.0
Admissions to live performing arts performances	70.1	7.9	21.9	100.0
Sport and performing arts event organization services	53.4	46.5	0.1	100.0
Career management and representation services of public figures	95.3	4.7	0.0	100.0
Contract production of live performing arts performances, live sporting events and copyrighted works	82.6	3.6	13.8	100.0
Sporting event media rights	99.3	0.7	0.0	100.0
Heritage institution services	62.6	20.2	17.2	100.0
Amusement and recreational services	82.3	4.7	12.9	100.0
Gambling (net wagers)	92.3	4.9	2.8	100.0
Room or unit accommodation services for travellers	57.1	8.7	34.2	100.0
Recreational vehicle park and recreational camp services	71.7	3.4	24.9	100.0
Rooming and boarding services	80.6	4.0	15.4	100.0
Prepared meals	87.1	8.3	4.6	100.0
Alcoholic beverages for immediate consumption	79.9	9.0	11.2	100.0
Motor vehicle repair and maintenance services	96.7	2.6	0.7	100.0
Repair and maintenance services (except for buildings and transportation equipment)	98.4	1.0	0.6	100.0
Funeral services	100.0	0.0	0.0	100.0
Laundry, dry-cleaning and related services	83.3	16.6	0.1	100.0
Hair care and aesthetic services	99.9	0.1	0.0	100.0
Parking services	78.4	15.4	6.2	100.0
Other personal and personal care services	97.7	2.2	0.1	100.0
Other membership services	77.1	17.2	5.8	100.0
Babysitting services	100.0	0.0	0.0	100.0
Private household services (except babysitting)	100.0	0.0	0.0	100.0
Sales of other services by Non-Profit Institutions Serving Households	100.0	0.0	0.0	100.0
Sales of other government services	99.8	0.0	0.2	100.0
Repair and maintenance	NA	NA	NA	NA
Operating supplies	NA	NA	NA	NA
Office supplies	NA	NA	NA	NA
Advertising, promotion, meals and entertainment	NA	NA	NA	NA
Travel, meetings and conventions	NA	NA	NA	NA
Transportation margins	NA	NA	NA	NA
Educational services provided by Non-Profit Institutions Serving Households	100.0	0.0	0.0	100.0
Ambulatory health care services provided by Non-Profit Institutions Serving Households	100.0	0.0	0.0	100.0
Social assistance services provided by Non-Profit Institutions Serving Households	100.0	0.0	0.0	100.0
Arts, entertainment and recreation services provided by Non-Profit Institutions Serving Households	100.0	0.0	0.0	100.0
Religious services	100.0	0.0	0.0	100.0

Commodity Title	Alberta	Rest of Canada	Rest of World	Total
Grant-making, civic, and professional and similar organization services	100.0	0.0	0.0	100.0
Labour organization membership services	100.0	0.0	0.0	100.0
Political organization services	100.0	0.0	0.0	100.0
Other services provided by Non-Profit Institutions Serving Households	100.0	0.0	0.0	100.0
Elementary and secondary school services provided by governments	100.0	0.0	0.0	100.0
Community college and C.E.G.E.P services provided by governments	100.0	0.0	0.0	100.0
University services provided by governments	100.0	0.0	0.0	100.0
Other educational services provided by governments	100.0	0.0	0.0	100.0
Hospital services provided by governments	100.0	0.0	0.0	100.0
Residential care facility services provided by governments	100.0	0.0	0.0	100.0
Defence services	100.0	0.0	0.0	100.0
Other federal government services	100.0	0.0	0.0	100.0
Other provincial and territorial government services	100.0	0.0	0.0	100.0
Other municipal government services	100.0	0.0	0.0	100.0
Other aboriginal government services	100.0	0.0	0.0	100.0