

The Strength of Cross-Border Linkages Between US and Canadian Industry

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Introduction

Thanks to geography, the Canada-US Free Trade Agreement, and the North American Free Trade Agreement, among other bilateral trade initiatives, the US and Canadian economies are today firmly linked to each other. This linkage is perhaps most evident in the automobile sector, where the border between the two economies has virtually disappeared. Parts, components and finished products move back and forth between integrated production facilities. But it extends as well to many other sectors of both economies.

The linkages between the two economies are actually deeper than finished product trade would suggest. Not only do parts and components producers on both sides of the border benefit from integration, but dozens of other sectors participate in the process as well—albeit less obviously: steel producers making corrosion resistant steel, and services companies transporting, financing, and insuring the production, movement or sale of goods all along the value train. Indeed, when a finished product like a motor vehicle is sold across the border, it embodies not just the direct production of the motor vehicle, but the underlying activities that supported the final assembly. This

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includes, for example, the mining and services firms that support the steel industry that in turn supplies intermediate products for motor vehicle production. Because modern economies involve a complex web of intermediate linkages, important stakeholders in the North American trade relationship are not limited to producers directly exporting final products. In a sense, then, the entire economy, with varying degrees of involvement, supports the chain of production that leads to the export of final products.

This paper explores these interactions and quantifies the degree to which US and Canadian production, by sector, is integrated across the border. It also quantifies the degree to which the activities of numerous up- and down-stream sectors of the United States and Canada are embodied in final goods and services trade.

Methodology

In an earlier study, we quantified the US output and employment related to US-Canadian goods and services trade in 2005 (Baughman and Francois, 2007). We employed a computable general equilibrium (CGE) model of the US and Canadian economies to measure these relationships. CGE models include data that measure the fundamental relationships between all the sectors of an economy. These data are organized into a tool called a “social accounting matrix” (SAM). A SAM is a square matrix (i.e., it has an equal number of columns and rows). For a given sector in a column, the corresponding row shows how much the sector spent on inputs from the sector in the row, or on imports and exports (Reinert and Roland-Holst, 1997; Blonigen et al., 1997).

A SAM is constructed on the basis of an economy’s input-output table, national accounts, government budgetary accounts, balance of payments and trade statistics. The input-output table provides information on the production sector of the economy, showing inter-industry linkages and the contribution made by primary factors of production to each sector. The trade account typically contains data on the destination and product

composition of exports and imports. These two accounts show not only how much steel, plastic, textiles, and services go into the production of a car but also how much of these inputs is sourced domestically and how much is imported and from whom. A CGE model incorporates SAMs for each country, standardized and then combined. Each SAM is for the same base year, and all values are measured using a single currency.

We work here with a global SAM benchmarked to the year 2005. The SAM includes 31 sectors. The sectors are listed in Table 1 (and subsequent tables). Our SAM is built from the intermediate linkage data in the Global Trade Analysis Project (GTAP) database (Version 6.2, benchmarked to 2001), supplemented with more current trade, production, and income data.

Starting from our SAM, to examine production linkages, we denote a country's n by n social accounting matrix by \mathbf{S} (where n is the number of elements in each column and row index) and a column unit n -vector by \mathbf{e} . Then $\mathbf{c} = \mathbf{e}'\mathbf{S}$ is the column-sum vector of \mathbf{S} . If the symbol $\hat{\mathbf{c}}$ over a vector is used to denote the corresponding n -dimensional diagonal matrix, then

$$(1) \quad \mathbf{A} = \mathbf{S}\hat{\mathbf{c}}^{-1}$$

where \mathbf{A} represents the column-sum normalized SAM. Hence, while S_{ij} is the actual expenditure received by sector i from sector j , an element A_{ij} is the proportion of sector j 's expenditure received by sector i . Combined with sector-level trade data from Canada, we are then able to allocate the share of total industry cost, for each US industry j , related to imported inputs from Canada in industry i (these shares are reported in Table 1). Similarly, combined with sector-level trade data from the US, we are also able to allocate the share of Canadian total industry cost related to imports from the US

While the elements of the \mathbf{A} matrix can be interpreted as direct input coefficients, we are also interested in the complete set of linkages, involving both direct input demand (like services

bought by the transport equipment sector), and also indirect linkages (such as the services bought by the steel sector which then are embodied in steel products sold downstream to the transport equipment sector) (see Reinert and Roland-Holst 1997). To do this, we divide the n accounts of a country's SAM into two groups: m endogenous accounts and k exogenous accounts. Following convention, we define the k exogenous accounts as the government, capital, and rest-of-world accounts (see Robinson, 1989). (The rest-of-world account includes Canadian exports to the US, and US exports to Canada, split out separately). All remaining accounts, including the consumption account, are endogenous. Define the sub-matrix of \mathbf{A} consisting of the m endogenous accounts as \mathbf{A}_{mm} . The multiplier matrix is given by

$$(3) \quad \mathbf{M} = (\mathbf{I}_m - \mathbf{A}_{mm})^{-1}$$

A representative element of the \mathbf{M} matrix, M_{ij} , gives the direct and indirect marginal effects on sector i income (demand) caused by an exogenous unit increase in sector j income (demand). Following Reinert and Roland-Holst, we take one final step and use the multiplier matrix to break down total exports by destination into implied total direct and indirect demand. Define $f_{i,r}$ as the export final demand for commodity i to destination r , and \mathbf{f} as the column vector of such elements. The coefficient ϕ

$$(4) \quad \phi_{i,r} = f_{i,r} / \mathbf{f}\mathbf{e}$$

gives the share of commodity i in total export demand to destination r – for example in US exports destined for Canada—and the matrix Φ contains the full set of these coefficients. This matrix represents direct export shares. To account for intermediate linkages, we also define the column vector

$$(5) \quad \frac{1}{2} = \mathbf{M}\Phi$$

Elements $\omega_{i,r}$ of $\mathbf{\Omega}$ give the weighted average direct and indirect effect on the value of activity in sector i that follow from increasing export demand to region r by one dollar, holding the sector composition of total exports to that destination constant. (These values are summarized reported in Table 2.)

Results

An examination of the SAMs for the United States and Canada, adjusted as detailed above, confirms that the two economies are highly integrated. The data in Table 1 are reported in share terms. They show, for example, that Canadian inputs represent 12 percent of the production cost of US petrochemical output; 5 percent of the cost of US lumber output, and 6 percent of the cost of US motor vehicle output. The importance of US inputs to Canadian production is quite a bit larger: inputs sourced from the US account for 21 percent of the input cost of Canadian iron and steel output; 43 percent of the cost of Canadian motor vehicle output, and 28 percent of the cost of Canadian chemicals, rubber and plastics production.

Table 1 also reports imported inputs from the United States (or Canada) by Canadian (or US) producers as a share of total producer price¹. While these are generally lower than the values in the first and third columns—as we are now including labor costs, capital income, profit, and taxes—the basic pattern is the same. For Canadian industry, inputs from its Southern neighbor are a very important share of total production costs. The same holds true for US producers, though given the relative size of the economies, Canadian inputs are not as large a share of total producer price as they are for Canadian producers.

¹ Producer price is taken as the column sums from the intermediate use component of the overall SAM, summed over intermediate use, value added, and taxes.

Annex Tables A-1 through A-4 detail the input shares by sector for Canadian inputs to US output, and US inputs to Canadian output. Table A-1 shows, for example, that the largest Canadian component of the 6 percent contribution to the cost of a US motor vehicle came from the Canadian motor vehicle sector, followed by the Canadian utilities sector. Table A-3 similarly shows that US fabricated metals, transport equipment, and machinery and equipment are particularly important inputs to Canadian steel production.

Table 2 presents our measures of indirect export shares. The Table gives us an indication of the gross value of output (including the cost of inputs) in each sector that results from \$1.00 in export sales to Canada. These measures are defined in equation (5) above, and can be read as follows. From the first column in Table 2, every \$1 in US exports in Canada involves \$0.15 in activity in primary production, \$0.85 in durable goods production, \$0.59 in nondurable goods production, and \$2.55 in activity in services². Hence, in contrast to direct trade data where US goods exported to Canada (\$212 billion in 2005) outweigh US services exports to Canada (\$33 billion), in terms of the up and downstream activity *linked* to exports to Canada, services dominate. These indirect values are scaled in share terms in the second and fourth columns. Hence in the case of US exports to Canada, 20 percent of the gross value of associated economic activity is in durable goods production and 61 percent in services (including services feeding into durables production). From the values in the table, the pattern of Canadian exports is more focused on primary production and manufacturing, while the United States, it is more focused on services. More detailed estimates by sector are reported in Annex Table A-5.

² The values in the table add to more than \$1 because we are counting inputs that flow downstream into final exports, and so value of output by sector, including as it does inputs from other sector, adds up to more than \$1.

Conclusion

These detailed assessments of the up- and down-stream linkages between the two economies lead to the firm conclusion that changes in US-Canada trade—be they increases or decreases—have impacts much greater than the direct value of the change would suggest. Sectors impacted span the range of economic activity, not just those directly engaged in trade. Thus, a “steel trade problem” would have ramifications for non-steel manufacturing and services, among others. Those additional impacts need to be considered by policy makers.

The analysis also shows that each country contributes significantly to the production value chain of the other. Higher costs (or material shortages) felt by one will filter through to the other. To the degree that public policy affects costs and source of input supplies, the likely impact of policies on the full range of a country’s industries, not just those most obviously involved in trade needs to be taken into account.

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Table 1
Cost Shares Due to Intermediate Linkages

	Canadian exports -- share of U.S. costs		U.S. exports -- share of Canadian costs	
	share of total input costs	share of total producer price	share of total input costs	share of total producer price
agriculture & fisheries	0.0120	0.0065	0.1106	0.0512
forestry	0.0065	0.0022	0.0728	0.0384
mining	0.0271	0.0109	0.1060	0.0598
utilities	0.0139	0.0059	0.0795	0.0220
construction	0.0225	0.0100	0.1687	0.0827
lumber	0.0480	0.0262	0.1643	0.0974
iron & steel	0.0230	0.0147	0.2058	0.1192
non-ferrous metals	0.0583	0.0404	0.1786	0.1113
fabricated metals	0.0283	0.0146	0.2274	0.1146
motor vehicles	0.0565	0.0417	0.4332	0.3099
other transport equipment	0.0669	0.0358	0.3749	0.2204
electrical machinery	0.0206	0.0180	0.3698	0.2224
other machinery & equipment	0.0306	0.0146	0.3804	0.1998
non-metallic minerals	0.0189	0.0094	0.1906	0.0935
other durables	0.0289	0.0159	0.2755	0.1379
processed foods	0.0189	0.0125	0.1435	0.0953
beverages & tobacco	0.0116	0.0077	0.1154	0.0634
textiles	0.0222	0.0132	0.2850	0.1619
apparel	0.0120	0.0085	0.2140	0.1113
leather	0.0238	0.0136	0.2480	0.1334
paper, pulp, & publishing	0.0549	0.0334	0.1652	0.0880
petrochemicals	0.1210	0.1160	0.1898	0.1761
chemicals, rubber, plastics	0.0286	0.0160	0.2791	0.1602
trade	0.0108	0.0041	0.0696	0.0241
transport	0.0099	0.0051	0.0751	0.0205
information	0.0042	0.0020	0.0281	0.0073
finance & insurance	0.0027	0.0010	0.0546	0.0168
business services	0.0090	0.0021	0.0556	0.0193
consumer services	0.0066	0.0039	0.0661	0.0210
real estate	0.0006	0.0001	0.0099	0.0007
other services	0.0100	0.0032	0.0903	0.0176

Table 2
Indirect Exports

Indirect exports -- domestic activity per dollar of exports

	United States		Canada	
	Indirect activities, value	Indirect activities, share of total	Indirect activities, value	Indirect activities, share of total
Primary	0.1560	0.0376	0.1850	0.0737
Durables	0.8500	0.2048	0.9290	0.3701
Nondurables	0.5940	0.1431	0.4570	0.1821
Services	2.5510	0.6146	0.9390	0.3741

Annex Table A-1

Canadian input shares of U.S. input costs -- by industry

	consuming U.S. industry				
	agriculture & fisheries	forestry	mining	utilities	construction
<i>imported inputs</i>					
agriculture & fisheries	0.0030	0.0011	0.0000	0.0000	0.0003
forestry	0.0000	0.0010	0.0000	0.0000	0.0000
mining	0.0001	0.0000	0.0043	0.0040	0.0002
utilities	0.0000	0.0000	0.0005	0.0022	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0002	0.0000	0.0000	0.0000	0.0070
iron & steel	0.0000	0.0000	0.0008	0.0000	0.0004
non-ferrous metals	0.0000	0.0000	0.0001	0.0003	0.0011
fabricated metals	0.0002	0.0000	0.0009	0.0004	0.0033
motor vehicles	0.0001	0.0006	0.0004	0.0023	0.0002
other transport equipment	0.0000	0.0000	0.0000	0.0006	0.0001
electrical machinery	0.0000	0.0000	0.0000	0.0001	0.0002
other machinery & equipment	0.0016	0.0013	0.0128	0.0027	0.0064
non-metallic minerals	0.0000	0.0000	0.0005	0.0001	0.0019
other durables	0.0000	0.0000	0.0000	0.0000	0.0001
processed foods	0.0017	0.0006	0.0000	0.0000	0.0000
beverages & tobacco	0.0000	0.0000	0.0000	0.0000	0.0000
textiles	0.0004	0.0001	0.0001	0.0000	0.0001
apparel	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0006	0.0015	0.0003	0.0001	0.0008
petrochemicals	0.0002	0.0000	0.0000	0.0007	0.0000
chemicals, rubber, plastics	0.0039	0.0003	0.0059	0.0003	0.0005
trade	0.0000	0.0000	0.0000	0.0000	0.0000
transport	0.0000	0.0000	0.0000	0.0000	0.0000
information	0.0000	0.0000	0.0000	0.0000	0.0000
finance & insurance	0.0000	0.0000	0.0001	0.0000	0.0001
business services	0.0000	0.0000	0.0001	0.0001	0.0001
consumer services	0.0000	0.0000	0.0000	0.0000	0.0000
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0001	0.0000	0.0000
TOTAL	0.0120	0.0065	0.0271	0.0139	0.0225

Canadian input shares of U.S. input costs -- by industry

	consuming U.S. industry				
	lumber	iron & steel	non-ferrous metals	fabricated metals	motor vehicles
<i>imported inputs</i>					
agriculture & fisheries	0.0000	0.0000	0.0000	0.0000	0.0000
forestry	0.0004	0.0000	0.0000	0.0000	0.0000
mining	0.0000	0.0018	0.0007	0.0000	0.0001
utilities	0.0000	0.0002	0.0003	0.0000	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0400	0.0002	0.0000	0.0000	0.0031
iron & steel	0.0005	0.0082	0.0003	0.0064	0.0006
non-ferrous metals	0.0005	0.0042	0.0478	0.0138	0.0027
fabricated metals	0.0022	0.0011	0.0001	0.0033	0.0019
motor vehicles	0.0005	0.0000	0.0000	0.0001	0.0382
other transport equipment	0.0000	0.0000	0.0000	0.0000	0.0000
electrical machinery	0.0000	0.0001	0.0001	0.0002	0.0012
other machinery & equipment	0.0008	0.0057	0.0076	0.0021	0.0050
non-metallic minerals	0.0004	0.0006	0.0001	0.0003	0.0003
other durables	0.0000	0.0000	0.0000	0.0000	0.0000
processed foods	0.0000	0.0000	0.0000	0.0000	0.0000
beverages & tobacco	0.0000	0.0000	0.0000	0.0000	0.0000
textiles	0.0015	0.0000	0.0000	0.0000	0.0010
apparel	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0003	0.0001	0.0000	0.0005	0.0001
petrochemicals	0.0001	0.0001	0.0000	0.0000	0.0000
chemicals, rubber, plastics	0.0009	0.0006	0.0011	0.0015	0.0023
trade	0.0000	0.0000	0.0000	0.0000	0.0000
transport	0.0000	0.0000	0.0000	0.0000	0.0000
information	0.0000	0.0000	0.0000	0.0000	0.0000
finance & insurance	0.0000	0.0000	0.0000	0.0000	0.0000
business services	0.0000	0.0000	0.0000	0.0000	0.0001
consumer services	0.0000	0.0000	0.0000	0.0000	0.0000
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.0480	0.0230	0.0583	0.0283	0.0565

Canadian input shares of U.S. input costs -- by industry

	consuming U.S. industry				
	other transport equipment	electrical machinery	other machinery & non-metallic equipment	minerals	other durables
<i>imported inputs</i>					
agriculture & fisheries	0.0000	0.0000	0.0000	0.0000	0.0003
forestry	0.0000	0.0000	0.0000	0.0000	0.0001
mining	0.0000	0.0000	0.0001	0.0038	0.0001
utilities	0.0000	0.0000	0.0000	0.0002	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0007	0.0000	0.0000	0.0002	0.0025
iron & steel	0.0006	0.0001	0.0017	0.0003	0.0011
non-ferrous metals	0.0019	0.0026	0.0045	0.0002	0.0115
fabricated metals	0.0019	0.0006	0.0027	0.0004	0.0012
motor vehicles	0.0038	0.0000	0.0012	0.0002	0.0000
other transport equipment	0.0491	0.0000	0.0001	0.0000	0.0000
electrical machinery	0.0007	0.0131	0.0024	0.0000	0.0007
other machinery & equipment	0.0064	0.0021	0.0130	0.0013	0.0015
non-metallic minerals	0.0003	0.0003	0.0006	0.0069	0.0003
other durables	0.0000	0.0000	0.0000	0.0000	0.0015
processed foods	0.0000	0.0000	0.0000	0.0000	0.0000
beverages & tobacco	0.0000	0.0000	0.0000	0.0000	0.0000
textiles	0.0002	0.0000	0.0001	0.0001	0.0007
apparel	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0000	0.0003	0.0010	0.0018	0.0013
petrochemicals	0.0000	0.0000	0.0000	0.0001	0.0000
chemicals, rubber, plastics	0.0010	0.0013	0.0031	0.0034	0.0060
trade	0.0000	0.0000	0.0000	0.0000	0.0000
transport	0.0000	0.0000	0.0000	0.0000	0.0000
information	0.0000	0.0000	0.0000	0.0000	0.0000
finance & insurance	0.0000	0.0000	0.0000	0.0000	0.0000
business services	0.0000	0.0001	0.0001	0.0000	0.0001
consumer services	0.0000	0.0000	0.0000	0.0000	0.0000
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0002	0.0000	0.0000	0.0000
TOTAL	0.0669	0.0206	0.0306	0.0189	0.0289

Canadian input shares of U.S. input costs -- by industry

	processed foods	beverages and tobacco	textiles	apparel	leather
<i>imported inputs</i>					
agriculture & fisheries	0.0077	0.0023	0.0013	0.0000	0.0000
forestry	0.0000	0.0000	0.0000	0.0002	0.0000
mining	0.0000	0.0000	0.0000	0.0000	0.0000
utilities	0.0003	0.0000	0.0007	0.0000	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0000	0.0000	0.0002	0.0000	0.0000
iron & steel	0.0000	0.0000	0.0000	0.0000	0.0000
non-ferrous metals	0.0000	0.0000	0.0000	0.0000	0.0000
fabricated metals	0.0002	0.0005	0.0000	0.0000	0.0006
motor vehicles	0.0001	0.0001	0.0000	0.0000	0.0000
other transport equipment	0.0000	0.0000	0.0001	0.0000	0.0000
electrical machinery	0.0000	0.0000	0.0000	0.0000	0.0000
other machinery & equipment	0.0002	0.0004	0.0011	0.0006	0.0001
non-metallic minerals	0.0001	0.0014	0.0003	0.0000	0.0000
other durables	0.0000	0.0000	0.0000	0.0002	0.0000
processed foods	0.0070	0.0008	0.0000	0.0000	0.0069
beverages & tobacco	0.0001	0.0036	0.0000	0.0000	0.0000
textiles	0.0000	0.0000	0.0086	0.0084	0.0028
apparel	0.0000	0.0000	0.0000	0.0009	0.0001
leather	0.0000	0.0000	0.0000	0.0001	0.0009
paper, pulp, & publishing	0.0015	0.0008	0.0008	0.0005	0.0067
petrochemicals	0.0000	0.0000	0.0000	0.0000	0.0000
chemicals, rubber, plastics	0.0015	0.0013	0.0090	0.0008	0.0056
trade	0.0000	0.0000	0.0000	0.0000	0.0000
transport	0.0000	0.0000	0.0000	0.0000	0.0000
information	0.0000	0.0000	0.0000	0.0000	0.0000
finance & insurance	0.0000	0.0000	0.0000	0.0000	0.0000
business services	0.0001	0.0002	0.0000	0.0001	0.0001
consumer services	0.0000	0.0000	0.0000	0.0000	0.0000
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.0189	0.0116	0.0222	0.0120	0.0238

Canadian input shares of U.S. input costs -- by industry

	paper, pulp, & publishing	petro- chemicals	chemicals, rubber, plastics	trade	transport
<i>imported inputs</i>					
agriculture & fisheries	0.0000	0.0000	0.0002	0.0001	0.0000
forestry	0.0001	0.0000	0.0005	0.0000	0.0000
mining	0.0000	0.1172	0.0022	0.0000	0.0003
utilities	0.0001	0.0002	0.0002	0.0001	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0015	0.0000	0.0001	0.0001	0.0001
iron & steel	0.0000	0.0000	0.0001	0.0000	0.0000
non-ferrous metals	0.0001	0.0000	0.0000	0.0001	0.0000
fabricated metals	0.0002	0.0000	0.0004	0.0005	0.0002
motor vehicles	0.0001	0.0000	0.0000	0.0048	0.0005
other transport equipment	0.0000	0.0000	0.0000	0.0000	0.0023
electrical machinery	0.0000	0.0002	0.0000	0.0004	0.0001
other machinery & equipment	0.0017	0.0003	0.0008	0.0014	0.0010
non-metallic minerals	0.0000	0.0001	0.0003	0.0001	0.0001
other durables	0.0000	0.0000	0.0000	0.0000	0.0000
processed foods	0.0002	0.0000	0.0006	0.0003	0.0000
beverages & tobacco	0.0000	0.0000	0.0000	0.0000	0.0000
textiles	0.0001	0.0000	0.0003	0.0002	0.0000
apparel	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0480	0.0001	0.0023	0.0014	0.0001
petrochemicals	0.0000	0.0024	0.0009	0.0000	0.0025
chemicals, rubber, plastics	0.0026	0.0004	0.0194	0.0007	0.0006
trade	0.0000	0.0000	0.0000	0.0000	0.0000
transport	0.0000	0.0000	0.0000	0.0000	0.0016
information	0.0000	0.0000	0.0000	0.0000	0.0000
finance & insurance	0.0000	0.0000	0.0000	0.0000	0.0000
business services	0.0001	0.0000	0.0001	0.0004	0.0002
consumer services	0.0000	0.0000	0.0000	0.0000	0.0000
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0001	0.0000	0.0002
TOTAL	0.0549	0.1210	0.0286	0.0108	0.0099

Canadian input shares of U.S. input costs -- by industry

	information	finance & insurance	business services	consumer services	real estate	other services
<i>imported inputs</i>						
agriculture & fisheries	0.0000	0.0000	0.0012	0.0004	0.0000	0.0001
forestry	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
mining	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
utilities	0.0000	0.0000	0.0000	0.0001	0.0000	0.0001
construction	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000
iron & steel	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
non-ferrous metals	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
fabricated metals	0.0001	0.0001	0.0001	0.0000	0.0001	0.0002
motor vehicles	0.0000	0.0001	0.0003	0.0008	0.0000	0.0006
other transport equipment	0.0000	0.0000	0.0001	0.0000	0.0000	0.0014
electrical machinery	0.0019	0.0001	0.0023	0.0000	0.0000	0.0002
other machinery & equipment	0.0009	0.0004	0.0016	0.0004	0.0001	0.0017
non-metallic minerals	0.0000	0.0000	0.0001	0.0001	0.0000	0.0001
other durables	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
processed foods	0.0000	0.0000	0.0000	0.0016	0.0000	0.0005
beverages & tobacco	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000
textiles	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
apparel	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0005	0.0008	0.0016	0.0002	0.0000	0.0014
petrochemicals	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
chemicals, rubber, plastics	0.0001	0.0006	0.0006	0.0004	0.0002	0.0028
trade	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
transport	0.0000	0.0000	0.0000	0.0012	0.0000	0.0001
information	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
finance & insurance	0.0001	0.0001	0.0000	0.0000	0.0002	0.0000
business services	0.0002	0.0004	0.0007	0.0001	0.0000	0.0003
consumer services	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
real estate	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0002	0.0000	0.0000	0.0005	0.0000	0.0001
TOTAL	0.0042	0.0027	0.0090	0.0066	0.0006	0.0100

Annex Table A-2

Canadian input shares of U.S. producer price -- by industry

	consuming U.S. industry				
	agriculture & fisheries	forestry	mining	utilities	construction
<i>imported inputs</i>					
agriculture & fisheries	0.0016	0.0004	0.0000	0.0000	0.0001
forestry	0.0000	0.0003	0.0000	0.0000	0.0000
mining	0.0000	0.0000	0.0017	0.0017	0.0001
utilities	0.0000	0.0000	0.0002	0.0009	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0001	0.0000	0.0000	0.0000	0.0031
iron & steel	0.0000	0.0000	0.0003	0.0000	0.0002
non-ferrous metals	0.0000	0.0000	0.0000	0.0001	0.0005
fabricated metals	0.0001	0.0000	0.0004	0.0002	0.0014
motor vehicles	0.0001	0.0002	0.0002	0.0010	0.0001
other transport equipment	0.0000	0.0000	0.0000	0.0002	0.0000
electrical machinery	0.0000	0.0000	0.0000	0.0000	0.0001
other machinery & equipment	0.0009	0.0004	0.0051	0.0011	0.0028
non-metallic minerals	0.0000	0.0000	0.0002	0.0000	0.0008
other durables	0.0000	0.0000	0.0000	0.0000	0.0000
processed foods	0.0009	0.0002	0.0000	0.0000	0.0000
beverages & tobacco	0.0000	0.0000	0.0000	0.0000	0.0000
textiles	0.0002	0.0000	0.0000	0.0000	0.0000
apparel	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0003	0.0005	0.0001	0.0000	0.0004
petrochemicals	0.0001	0.0000	0.0000	0.0003	0.0000
chemicals, rubber, plastics	0.0021	0.0001	0.0024	0.0001	0.0002
trade	0.0000	0.0000	0.0000	0.0000	0.0000
transport	0.0000	0.0000	0.0000	0.0000	0.0000
information	0.0000	0.0000	0.0000	0.0000	0.0000
finance & insurance	0.0000	0.0000	0.0000	0.0000	0.0000
business services	0.0000	0.0000	0.0000	0.0000	0.0001
consumer services	0.0000	0.0000	0.0000	0.0000	0.0000
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.0065	0.0022	0.0109	0.0059	0.0100

Canadian input shares of U.S. producer price -- by industry

	consuming U.S. industry				
	lumber	iron & steel	non-ferrous metals	fabricated metals	motor vehicles
<i>imported inputs</i>					
agriculture & fisheries	0.0000	0.0000	0.0000	0.0000	0.0000
forestry	0.0002	0.0000	0.0000	0.0000	0.0000
mining	0.0000	0.0012	0.0005	0.0000	0.0001
utilities	0.0000	0.0001	0.0002	0.0000	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0218	0.0001	0.0000	0.0000	0.0023
iron & steel	0.0003	0.0053	0.0002	0.0033	0.0004
non-ferrous metals	0.0003	0.0027	0.0332	0.0071	0.0020
fabricated metals	0.0012	0.0007	0.0001	0.0017	0.0014
motor vehicles	0.0003	0.0000	0.0000	0.0000	0.0281
other transport equipment	0.0000	0.0000	0.0000	0.0000	0.0000
electrical machinery	0.0000	0.0001	0.0000	0.0001	0.0008
other machinery & equipment	0.0004	0.0037	0.0053	0.0011	0.0037
non-metallic minerals	0.0002	0.0004	0.0001	0.0001	0.0002
other durables	0.0000	0.0000	0.0000	0.0000	0.0000
processed foods	0.0000	0.0000	0.0000	0.0000	0.0000
beverages & tobacco	0.0000	0.0000	0.0000	0.0000	0.0000
textiles	0.0008	0.0000	0.0000	0.0000	0.0007
apparel	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0002	0.0000	0.0000	0.0003	0.0001
petrochemicals	0.0000	0.0001	0.0000	0.0000	0.0000
chemicals, rubber, plastics	0.0005	0.0004	0.0008	0.0008	0.0017
trade	0.0000	0.0000	0.0000	0.0000	0.0000
transport	0.0000	0.0000	0.0000	0.0000	0.0000
information	0.0000	0.0000	0.0000	0.0000	0.0000
finance & insurance	0.0000	0.0000	0.0000	0.0000	0.0000
business services	0.0000	0.0000	0.0000	0.0000	0.0000
consumer services	0.0000	0.0000	0.0000	0.0000	0.0000
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.0262	0.0147	0.0404	0.0146	0.0417

Canadian input shares of U.S. producer price -- by industry

	consuming U.S. industry				
	other transport equipment	electrical machinery	other machinery & equipment	non-metallic minerals	other durables
<i>imported inputs</i>					
agriculture & fisheries	0.0000	0.0000	0.0000	0.0000	0.0001
forestry	0.0000	0.0000	0.0000	0.0000	0.0000
mining	0.0000	0.0000	0.0000	0.0019	0.0000
utilities	0.0000	0.0000	0.0000	0.0001	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0004	0.0000	0.0000	0.0001	0.0014
iron & steel	0.0003	0.0001	0.0008	0.0002	0.0006
non-ferrous metals	0.0010	0.0023	0.0021	0.0001	0.0064
fabricated metals	0.0010	0.0005	0.0013	0.0002	0.0007
motor vehicles	0.0020	0.0000	0.0006	0.0001	0.0000
other transport equipment	0.0263	0.0000	0.0000	0.0000	0.0000
electrical machinery	0.0004	0.0114	0.0012	0.0000	0.0004
other machinery & equipment	0.0034	0.0018	0.0062	0.0006	0.0009
non-metallic minerals	0.0002	0.0003	0.0003	0.0034	0.0002
other durables	0.0000	0.0000	0.0000	0.0000	0.0008
processed foods	0.0000	0.0000	0.0000	0.0000	0.0000
beverages & tobacco	0.0000	0.0000	0.0000	0.0000	0.0000
textiles	0.0001	0.0000	0.0000	0.0001	0.0004
apparel	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0000	0.0002	0.0005	0.0009	0.0007
petrochemicals	0.0000	0.0000	0.0000	0.0001	0.0000
chemicals, rubber, plastics	0.0005	0.0011	0.0015	0.0017	0.0033
trade	0.0000	0.0000	0.0000	0.0000	0.0000
transport	0.0000	0.0000	0.0000	0.0000	0.0000
information	0.0000	0.0000	0.0000	0.0000	0.0000
finance & insurance	0.0000	0.0000	0.0000	0.0000	0.0000
business services	0.0000	0.0000	0.0000	0.0000	0.0001
consumer services	0.0000	0.0000	0.0000	0.0000	0.0000
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0002	0.0000	0.0000	0.0000
TOTAL	0.0358	0.0180	0.0146	0.0094	0.0159

Canadian input shares of U.S. producer price -- by industry

	processed foods	beverages and tobacco	textiles	apparel	leather
<i>imported inputs</i>					
agriculture & fisheries	0.0051	0.0015	0.0007	0.0000	0.0000
forestry	0.0000	0.0000	0.0000	0.0002	0.0000
mining	0.0000	0.0000	0.0000	0.0000	0.0000
utilities	0.0002	0.0000	0.0004	0.0000	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0000	0.0000	0.0001	0.0000	0.0000
iron & steel	0.0000	0.0000	0.0000	0.0000	0.0000
non-ferrous metals	0.0000	0.0000	0.0000	0.0000	0.0000
fabricated metals	0.0001	0.0004	0.0000	0.0000	0.0003
motor vehicles	0.0001	0.0001	0.0000	0.0000	0.0000
other transport equipment	0.0000	0.0000	0.0000	0.0000	0.0000
electrical machinery	0.0000	0.0000	0.0000	0.0000	0.0000
other machinery & equipment	0.0002	0.0002	0.0007	0.0004	0.0000
non-metallic minerals	0.0001	0.0010	0.0002	0.0000	0.0000
other durables	0.0000	0.0000	0.0000	0.0001	0.0000
processed foods	0.0046	0.0005	0.0000	0.0000	0.0039
beverages & tobacco	0.0001	0.0024	0.0000	0.0000	0.0000
textiles	0.0000	0.0000	0.0051	0.0060	0.0016
apparel	0.0000	0.0000	0.0000	0.0006	0.0001
leather	0.0000	0.0000	0.0000	0.0001	0.0005
paper, pulp, & publishing	0.0010	0.0005	0.0005	0.0003	0.0038
petrochemicals	0.0000	0.0000	0.0000	0.0000	0.0000
chemicals, rubber, plastics	0.0010	0.0009	0.0053	0.0006	0.0032
trade	0.0000	0.0000	0.0000	0.0000	0.0000
transport	0.0000	0.0000	0.0000	0.0000	0.0000
information	0.0000	0.0000	0.0000	0.0000	0.0000
finance & insurance	0.0000	0.0000	0.0000	0.0000	0.0000
business services	0.0001	0.0002	0.0000	0.0000	0.0000
consumer services	0.0000	0.0000	0.0000	0.0000	0.0000
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.0125	0.0077	0.0132	0.0085	0.0136

Canadian input shares of U.S. producer price -- by industry

	paper, pulp, & publishing	petro- chemicals	chemicals, rubber, plastics	trade	transport
<i>imported inputs</i>					
agriculture & fisheries	0.0000	0.0000	0.0001	0.0000	0.0000
forestry	0.0001	0.0000	0.0003	0.0000	0.0000
mining	0.0000	0.1124	0.0013	0.0000	0.0001
utilities	0.0001	0.0001	0.0001	0.0000	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0009	0.0000	0.0001	0.0000	0.0000
iron & steel	0.0000	0.0000	0.0000	0.0000	0.0000
non-ferrous metals	0.0001	0.0000	0.0000	0.0000	0.0000
fabricated metals	0.0001	0.0000	0.0002	0.0002	0.0001
motor vehicles	0.0000	0.0000	0.0000	0.0018	0.0003
other transport equipment	0.0000	0.0000	0.0000	0.0000	0.0012
electrical machinery	0.0000	0.0002	0.0000	0.0001	0.0000
other machinery & equipment	0.0010	0.0003	0.0005	0.0005	0.0005
non-metallic minerals	0.0000	0.0001	0.0002	0.0000	0.0000
other durables	0.0000	0.0000	0.0000	0.0000	0.0000
processed foods	0.0001	0.0000	0.0003	0.0001	0.0000
beverages & tobacco	0.0000	0.0000	0.0000	0.0000	0.0000
textiles	0.0000	0.0000	0.0002	0.0001	0.0000
apparel	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0292	0.0001	0.0013	0.0005	0.0000
petrochemicals	0.0000	0.0023	0.0005	0.0000	0.0013
chemicals, rubber, plastics	0.0016	0.0004	0.0108	0.0003	0.0003
trade	0.0000	0.0000	0.0000	0.0000	0.0000
transport	0.0000	0.0000	0.0000	0.0000	0.0008
information	0.0000	0.0000	0.0000	0.0000	0.0000
finance & insurance	0.0000	0.0000	0.0000	0.0000	0.0000
business services	0.0000	0.0000	0.0001	0.0002	0.0001
consumer services	0.0000	0.0000	0.0000	0.0000	0.0000
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0001
TOTAL	0.0334	0.1160	0.0160	0.0041	0.0051

Canadian input shares of U.S. producer price -- by industry

	information	finance & insurance	business services	consumer services	real estate	other services
<i>imported inputs</i>						
agriculture & fisheries	0.0000	0.0000	0.0003	0.0002	0.0000	0.0000
forestry	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
mining	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
utilities	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
iron & steel	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
non-ferrous metals	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
fabricated metals	0.0001	0.0000	0.0000	0.0000	0.0000	0.0001
motor vehicles	0.0000	0.0000	0.0001	0.0005	0.0000	0.0002
other transport equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
electrical machinery	0.0009	0.0000	0.0005	0.0000	0.0000	0.0001
other machinery & equipment	0.0004	0.0001	0.0004	0.0002	0.0000	0.0005
non-metallic minerals	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
other durables	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
processed foods	0.0000	0.0000	0.0000	0.0009	0.0000	0.0002
beverages & tobacco	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000
textiles	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
apparel	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0002	0.0003	0.0004	0.0001	0.0000	0.0004
petrochemicals	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
chemicals, rubber, plastics	0.0000	0.0002	0.0002	0.0002	0.0000	0.0009
trade	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
transport	0.0000	0.0000	0.0000	0.0007	0.0000	0.0000
information	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
finance & insurance	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
business services	0.0001	0.0002	0.0002	0.0001	0.0000	0.0001
consumer services	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
real estate	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0001	0.0000	0.0000	0.0003	0.0000	0.0000
TOTAL	0.0020	0.0010	0.0021	0.0039	0.0001	0.0032

Annex Table A-3

U.S. input shares of Canadian input costs -- by industry

	consuming Canadian industry				
	agriculture & fisheries	forestry	mining	utilities	construction
<i>imported inputs</i>					
agriculture & fisheries	0.0207	0.0005	0.0000	0.0001	0.0011
forestry	0.0000	0.0000	0.0000	0.0000	0.0000
mining	0.0004	0.0000	0.0022	0.0358	0.0004
utilities	0.0006	0.0000	0.0042	0.0030	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0005	0.0000	0.0000	0.0000	0.0211
iron & steel	0.0001	0.0003	0.0031	0.0001	0.0077
non-ferrous metals	0.0000	0.0002	0.0002	0.0000	0.0009
fabricated metals	0.0053	0.0124	0.0047	0.0014	0.0343
motor vehicles	0.0017	0.0049	0.0055	0.0009	0.0009
other transport equipment	0.0011	0.0007	0.0012	0.0001	0.0002
electrical machinery	0.0007	0.0100	0.0069	0.0040	0.0023
other machinery & equipment	0.0183	0.0157	0.0392	0.0069	0.0343
non-metallic minerals	0.0008	0.0011	0.0010	0.0002	0.0231
other durables	0.0011	0.0020	0.0015	0.0005	0.0008
processed foods	0.0067	0.0022	0.0003	0.0005	0.0000
beverages & tobacco	0.0000	0.0000	0.0000	0.0000	0.0000
textiles	0.0019	0.0011	0.0003	0.0001	0.0033
apparel	0.0000	0.0001	0.0001	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0008	0.0013	0.0021	0.0035	0.0036
petrochemicals	0.0007	0.0004	0.0019	0.0136	0.0001
chemicals, rubber, plastics	0.0474	0.0158	0.0200	0.0034	0.0235
trade	0.0002	0.0003	0.0005	0.0003	0.0005
transport	0.0003	0.0016	0.0006	0.0006	0.0001
information	0.0002	0.0004	0.0016	0.0003	0.0003
finance & insurance	0.0006	0.0004	0.0039	0.0013	0.0013
business services	0.0002	0.0007	0.0043	0.0026	0.0051
consumer services	0.0002	0.0007	0.0006	0.0001	0.0039
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.1106	0.0728	0.1060	0.0795	0.1687

U.S. input shares of Canadian input costs -- by industry

	consuming Canadian industry				
	lumber	iron & steel	non-ferrous metals	fabricated metals	motor vehicles
<i>imported inputs</i>					
agriculture & fisheries	0.0000	0.0000	0.0000	0.0000	0.0000
forestry	0.0260	0.0000	0.0000	0.0000	0.0000
mining	0.0000	0.0096	0.0401	0.0065	0.0001
utilities	0.0000	0.0063	0.0394	0.0001	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0603	0.0004	0.0002	0.0015	0.0006
iron & steel	0.0029	0.0812	0.0061	0.0572	0.0076
non-ferrous metals	0.0015	0.0076	0.0655	0.0424	0.0088
fabricated metals	0.0137	0.0342	0.0026	0.0701	0.0137
motor vehicles	0.0015	0.0033	0.0011	0.0071	0.3187
other transport equipment	0.0002	0.0002	0.0001	0.0005	0.0024
electrical machinery	0.0019	0.0035	0.0013	0.0022	0.0042
other machinery & equipment	0.0060	0.0143	0.0067	0.0075	0.0309
non-metallic minerals	0.0065	0.0209	0.0029	0.0070	0.0065
other durables	0.0023	0.0016	0.0005	0.0008	0.0009
processed foods	0.0003	0.0003	0.0001	0.0002	0.0001
beverages & tobacco	0.0000	0.0000	0.0000	0.0000	0.0000
textiles	0.0054	0.0003	0.0001	0.0002	0.0024
apparel	0.0000	0.0001	0.0000	0.0000	0.0000
leather	0.0001	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0059	0.0017	0.0006	0.0026	0.0010
petrochemicals	0.0001	0.0033	0.0007	0.0000	0.0000
chemicals, rubber, plastics	0.0274	0.0146	0.0094	0.0186	0.0308
trade	0.0002	0.0004	0.0003	0.0005	0.0004
transport	0.0010	0.0004	0.0002	0.0005	0.0000
information	0.0001	0.0001	0.0001	0.0001	0.0004
finance & insurance	0.0004	0.0003	0.0001	0.0003	0.0005
business services	0.0007	0.0010	0.0005	0.0011	0.0023
consumer services	0.0000	0.0004	0.0000	0.0003	0.0007
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.1643	0.2058	0.1786	0.2274	0.4332

U.S. input shares of Canadian input costs -- by industry

	consuming Canadian industry				
	other transport equipment	electrical machinery	other machinery & equipment	non-metallic minerals	other durables
<i>imported inputs</i>					
agriculture & fisheries	0.0004	0.0000	0.0001	0.0000	0.0061
forestry	0.0000	0.0000	0.0000	0.0000	0.0000
mining	0.0000	0.0001	0.0002	0.0160	0.0123
utilities	0.0000	0.0001	0.0002	0.0018	0.0005
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0008	0.0007	0.0005	0.0011	0.0094
iron & steel	0.0161	0.0046	0.0194	0.0039	0.0065
non-ferrous metals	0.0114	0.0117	0.0220	0.0023	0.0347
fabricated metals	0.0100	0.0090	0.0300	0.0082	0.0095
motor vehicles	0.0148	0.0065	0.0056	0.0026	0.0060
other transport equipment	0.2148	0.0001	0.0010	0.0002	0.0034
electrical machinery	0.0142	0.1782	0.0267	0.0041	0.0133
other machinery & equipment	0.0425	0.1406	0.2344	0.0088	0.0232
non-metallic minerals	0.0121	0.0023	0.0075	0.0799	0.0017
other durables	0.0009	0.0007	0.0010	0.0025	0.0126
processed foods	0.0005	0.0001	0.0001	0.0003	0.0006
beverages & tobacco	0.0000	0.0000	0.0000	0.0000	0.0000
textiles	0.0012	0.0003	0.0004	0.0005	0.0116
apparel	0.0000	0.0000	0.0000	0.0001	0.0000
leather	0.0001	0.0000	0.0000	0.0000	0.0003
paper, pulp, & publishing	0.0013	0.0028	0.0037	0.0130	0.0209
petrochemicals	0.0000	0.0000	0.0000	0.0020	0.0002
chemicals, rubber, plastics	0.0290	0.0082	0.0240	0.0393	0.0982
trade	0.0002	0.0004	0.0006	0.0005	0.0007
transport	0.0001	0.0006	0.0004	0.0014	0.0004
information	0.0006	0.0001	0.0001	0.0002	0.0002
finance & insurance	0.0009	0.0003	0.0004	0.0006	0.0002
business services	0.0026	0.0024	0.0015	0.0009	0.0008
consumer services	0.0004	0.0001	0.0004	0.0005	0.0020
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.3749	0.3698	0.3804	0.1906	0.2755

U.S. input shares of Canadian input costs -- by industry

	processed foods	beverages and tobacco	textiles	apparel	leather
<i>imported inputs</i>					
agriculture & fisheries	0.0558	0.0058	0.0139	0.0307	0.0951
forestry	0.0000	0.0000	0.0000	0.0000	0.0000
mining	0.0001	0.0000	0.0002	0.0000	0.0000
utilities	0.0000	0.0000	0.0002	0.0001	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0000	0.0000	0.0004	0.0000	0.0000
iron & steel	0.0000	0.0000	0.0002	0.0000	0.0000
non-ferrous metals	0.0001	0.0001	0.0006	0.0000	0.0000
fabricated metals	0.0037	0.0176	0.0018	0.0006	0.0033
motor vehicles	0.0006	0.0006	0.0010	0.0004	0.0010
other transport equipment	0.0000	0.0000	0.0001	0.0000	0.0000
electrical machinery	0.0003	0.0006	0.0004	0.0002	0.0002
other machinery & equipment	0.0030	0.0039	0.0046	0.0020	0.0021
non-metallic minerals	0.0019	0.0194	0.0009	0.0003	0.0000
other durables	0.0004	0.0006	0.0023	0.0033	0.0055
processed foods	0.0509	0.0219	0.0049	0.0000	0.0001
beverages & tobacco	0.0000	0.0038	0.0000	0.0000	0.0000
textiles	0.0002	0.0017	0.1337	0.1611	0.0106
apparel	0.0000	0.0000	0.0002	0.0009	0.0000
leather	0.0000	0.0000	0.0000	0.0021	0.0163
paper, pulp, & publishing	0.0079	0.0161	0.0068	0.0030	0.0053
petrochemicals	0.0000	0.0000	0.0001	0.0000	0.0000
chemicals, rubber, plastics	0.0165	0.0191	0.1101	0.0064	0.1056
trade	0.0003	0.0005	0.0005	0.0006	0.0007
transport	0.0003	0.0002	0.0003	0.0003	0.0001
information	0.0001	0.0001	0.0001	0.0001	0.0001
finance & insurance	0.0004	0.0008	0.0006	0.0005	0.0005
business services	0.0008	0.0023	0.0006	0.0013	0.0007
consumer services	0.0002	0.0002	0.0006	0.0002	0.0006
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.1435	0.1154	0.2850	0.2140	0.2480

U.S. input shares of Canadian input costs -- by industry

	paper, pulp, & publishing	petro- chemicals	chemicals, rubber, plastics	trade	transport
<i>imported inputs</i>					
agriculture & fisheries	0.0004	0.0000	0.0035	0.0045	0.0019
forestry	0.0043	0.0000	0.0000	0.0000	0.0000
mining	0.0012	0.1504	0.0035	0.0001	0.0006
utilities	0.0022	0.0013	0.0011	0.0004	0.0002
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0017	0.0000	0.0003	0.0004	0.0003
iron & steel	0.0001	0.0000	0.0006	0.0001	0.0005
non-ferrous metals	0.0020	0.0000	0.0032	0.0000	0.0003
fabricated metals	0.0027	0.0006	0.0056	0.0010	0.0031
motor vehicles	0.0012	0.0002	0.0010	0.0046	0.0080
other transport equipment	0.0002	0.0000	0.0001	0.0011	0.0033
electrical machinery	0.0035	0.0004	0.0011	0.0009	0.0025
other machinery & equipment	0.0101	0.0008	0.0055	0.0029	0.0071
non-metallic minerals	0.0005	0.0010	0.0024	0.0017	0.0006
other durables	0.0010	0.0002	0.0012	0.0007	0.0008
processed foods	0.0007	0.0001	0.0070	0.0184	0.0002
beverages & tobacco	0.0000	0.0000	0.0000	0.0001	0.0000
textiles	0.0016	0.0000	0.0028	0.0011	0.0008
apparel	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0939	0.0013	0.0062	0.0179	0.0050
petrochemicals	0.0019	0.0178	0.0056	0.0004	0.0120
chemicals, rubber, plastics	0.0329	0.0143	0.2237	0.0088	0.0106
trade	0.0006	0.0004	0.0006	0.0004	0.0012
transport	0.0004	0.0001	0.0005	0.0011	0.0057
information	0.0001	0.0001	0.0001	0.0004	0.0003
finance & insurance	0.0002	0.0004	0.0005	0.0003	0.0007
business services	0.0012	0.0005	0.0018	0.0021	0.0086
consumer services	0.0001	0.0001	0.0012	0.0001	0.0007
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.1652	0.1898	0.2791	0.0696	0.0751

U.S. input shares of Canadian input costs -- by industry

	information	finance & insurance	business services	consumer services	real estate	other services
<i>imported inputs</i>						
agriculture & fisheries	0.0000	0.0001	0.0000	0.0005	0.0000	0.0008
forestry	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
mining	0.0001	0.0000	0.0000	0.0003	0.0000	0.0006
utilities	0.0003	0.0002	0.0002	0.0020	0.0000	0.0005
construction	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0008	0.0000	0.0007	0.0004	0.0000	0.0000
iron & steel	0.0001	0.0001	0.0003	0.0017	0.0000	0.0000
non-ferrous metals	0.0001	0.0001	0.0002	0.0000	0.0000	0.0002
fabricated metals	0.0009	0.0001	0.0019	0.0025	0.0000	0.0010
motor vehicles	0.0011	0.0001	0.0012	0.0009	0.0000	0.0002
other transport equipment	0.0003	0.0000	0.0004	0.0001	0.0000	0.0003
electrical machinery	0.0037	0.0015	0.0051	0.0055	0.0000	0.0053
other machinery & equipment	0.0032	0.0008	0.0052	0.0101	0.0000	0.0394
non-metallic minerals	0.0000	0.0000	0.0003	0.0013	0.0000	0.0005
other durables	0.0002	0.0004	0.0005	0.0017	0.0000	0.0004
processed foods	0.0000	0.0002	0.0002	0.0016	0.0000	0.0031
beverages & tobacco	0.0000	0.0000	0.0000	0.0002	0.0000	0.0001
textiles	0.0001	0.0002	0.0001	0.0010	0.0000	0.0016
apparel	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
paper, pulp, & publishing	0.0027	0.0084	0.0108	0.0146	0.0000	0.0137
petrochemicals	0.0002	0.0001	0.0002	0.0004	0.0000	0.0002
chemicals, rubber, plastics	0.0020	0.0013	0.0076	0.0083	0.0000	0.0095
trade	0.0007	0.0003	0.0008	0.0028	0.0000	0.0006
transport	0.0006	0.0010	0.0008	0.0033	0.0000	0.0046
information	0.0063	0.0005	0.0003	0.0005	0.0006	0.0009
finance & insurance	0.0005	0.0346	0.0003	0.0001	0.0051	0.0005
business services	0.0019	0.0033	0.0181	0.0007	0.0040	0.0050
consumer services	0.0023	0.0014	0.0003	0.0056	0.0000	0.0013
real estate	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.0281	0.0546	0.0556	0.0661	0.0099	0.0903

Annex Table A-4

U.S. input shares of Canadian producer price -- by industry

	consuming Canadian industry				
	agriculture & fisheries	forestry	mining	utilities	construction
<i>imported inputs</i>					
agriculture & fisheries	0.0096	0.0003	0.0000	0.0000	0.0005
forestry	0.0000	0.0000	0.0000	0.0000	0.0000
mining	0.0002	0.0000	0.0013	0.0099	0.0002
utilities	0.0003	0.0000	0.0024	0.0008	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0002	0.0000	0.0000	0.0000	0.0103
iron & steel	0.0001	0.0002	0.0017	0.0000	0.0038
non-ferrous metals	0.0000	0.0001	0.0001	0.0000	0.0004
fabricated metals	0.0024	0.0066	0.0027	0.0004	0.0168
motor vehicles	0.0008	0.0026	0.0031	0.0003	0.0004
other transport equipment	0.0005	0.0004	0.0007	0.0000	0.0001
electrical machinery	0.0003	0.0053	0.0039	0.0011	0.0011
other machinery & equipment	0.0085	0.0083	0.0221	0.0019	0.0168
non-metallic minerals	0.0004	0.0006	0.0005	0.0001	0.0113
other durables	0.0005	0.0011	0.0008	0.0001	0.0004
processed foods	0.0031	0.0012	0.0002	0.0001	0.0000
beverages & tobacco	0.0000	0.0000	0.0000	0.0000	0.0000
textiles	0.0009	0.0006	0.0001	0.0000	0.0016
apparel	0.0000	0.0001	0.0000	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0004	0.0007	0.0012	0.0010	0.0018
petrochemicals	0.0003	0.0002	0.0011	0.0038	0.0000
chemicals, rubber, plastics	0.0220	0.0083	0.0113	0.0009	0.0115
trade	0.0001	0.0001	0.0003	0.0001	0.0002
transport	0.0001	0.0008	0.0003	0.0002	0.0000
information	0.0001	0.0002	0.0009	0.0001	0.0001
finance & insurance	0.0003	0.0002	0.0022	0.0004	0.0007
business services	0.0001	0.0004	0.0024	0.0007	0.0025
consumer services	0.0001	0.0003	0.0004	0.0000	0.0019
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.0512	0.0384	0.0598	0.0220	0.0827

U.S. input shares of Canadian producer price -- by industry

	consuming Canadian industry				
	lumber	iron & steel	non-ferrous metals	fabricated metals	motor vehicles
<i>imported inputs</i>					
agriculture & fisheries	0.0000	0.0000	0.0000	0.0000	0.0000
forestry	0.0154	0.0000	0.0000	0.0000	0.0000
mining	0.0000	0.0055	0.0250	0.0033	0.0000
utilities	0.0000	0.0037	0.0246	0.0001	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0357	0.0002	0.0001	0.0007	0.0004
iron & steel	0.0017	0.0470	0.0038	0.0288	0.0055
non-ferrous metals	0.0009	0.0044	0.0408	0.0213	0.0063
fabricated metals	0.0081	0.0198	0.0016	0.0354	0.0098
motor vehicles	0.0009	0.0019	0.0007	0.0036	0.2280
other transport equipment	0.0001	0.0001	0.0001	0.0003	0.0017
electrical machinery	0.0011	0.0020	0.0008	0.0011	0.0030
other machinery & equipment	0.0035	0.0083	0.0042	0.0038	0.0221
non-metallic minerals	0.0038	0.0121	0.0018	0.0035	0.0047
other durables	0.0013	0.0010	0.0003	0.0004	0.0006
processed foods	0.0002	0.0002	0.0001	0.0001	0.0001
beverages & tobacco	0.0000	0.0000	0.0000	0.0000	0.0000
textiles	0.0032	0.0002	0.0000	0.0001	0.0017
apparel	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0001	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0035	0.0010	0.0004	0.0013	0.0007
petrochemicals	0.0001	0.0019	0.0005	0.0000	0.0000
chemicals, rubber, plastics	0.0162	0.0084	0.0058	0.0094	0.0220
trade	0.0001	0.0002	0.0002	0.0003	0.0003
transport	0.0006	0.0002	0.0001	0.0002	0.0000
information	0.0001	0.0000	0.0001	0.0001	0.0003
finance & insurance	0.0002	0.0002	0.0001	0.0001	0.0004
business services	0.0004	0.0006	0.0003	0.0006	0.0017
consumer services	0.0000	0.0002	0.0000	0.0001	0.0005
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.0974	0.1192	0.1113	0.1146	0.3099

U.S. input shares of Canadian producer price -- by industry

	consuming Canadian industry				
	other transport equipment	electrical machinery	other machinery & equipment	non-metallic minerals	other durables
<i>imported inputs</i>					
agriculture & fisheries	0.0002	0.0000	0.0001	0.0000	0.0031
forestry	0.0000	0.0000	0.0000	0.0000	0.0000
mining	0.0000	0.0000	0.0001	0.0078	0.0062
utilities	0.0000	0.0001	0.0001	0.0009	0.0002
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0004	0.0004	0.0003	0.0005	0.0047
iron & steel	0.0094	0.0027	0.0102	0.0019	0.0033
non-ferrous metals	0.0067	0.0070	0.0116	0.0011	0.0174
fabricated metals	0.0059	0.0054	0.0157	0.0040	0.0048
motor vehicles	0.0087	0.0039	0.0030	0.0013	0.0030
other transport equipment	0.1263	0.0001	0.0005	0.0001	0.0017
electrical machinery	0.0083	0.1072	0.0140	0.0020	0.0067
other machinery & equipment	0.0250	0.0845	0.1231	0.0043	0.0116
non-metallic minerals	0.0071	0.0014	0.0039	0.0392	0.0009
other durables	0.0005	0.0004	0.0005	0.0012	0.0063
processed foods	0.0003	0.0001	0.0001	0.0002	0.0003
beverages & tobacco	0.0000	0.0000	0.0000	0.0000	0.0000
textiles	0.0007	0.0002	0.0002	0.0003	0.0058
apparel	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0001	0.0000	0.0000	0.0000	0.0001
paper, pulp, & publishing	0.0008	0.0017	0.0019	0.0064	0.0105
petrochemicals	0.0000	0.0000	0.0000	0.0010	0.0001
chemicals, rubber, plastics	0.0171	0.0049	0.0126	0.0193	0.0492
trade	0.0001	0.0002	0.0003	0.0002	0.0004
transport	0.0001	0.0004	0.0002	0.0007	0.0002
information	0.0003	0.0000	0.0000	0.0001	0.0001
finance & insurance	0.0005	0.0002	0.0002	0.0003	0.0001
business services	0.0015	0.0014	0.0008	0.0004	0.0004
consumer services	0.0002	0.0000	0.0002	0.0003	0.0010
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.2204	0.2224	0.1998	0.0935	0.1379

U.S. input shares of Canadian producer price -- by industry

	processed foods	beverages and tobacco	textiles	apparel	leather
<i>imported inputs</i>					
agriculture & fisheries	0.0370	0.0032	0.0079	0.0160	0.0512
forestry	0.0000	0.0000	0.0000	0.0000	0.0000
mining	0.0001	0.0000	0.0001	0.0000	0.0000
utilities	0.0000	0.0000	0.0001	0.0000	0.0000
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0000	0.0000	0.0002	0.0000	0.0000
iron & steel	0.0000	0.0000	0.0001	0.0000	0.0000
non-ferrous metals	0.0000	0.0001	0.0003	0.0000	0.0000
fabricated metals	0.0025	0.0097	0.0010	0.0003	0.0018
motor vehicles	0.0004	0.0004	0.0006	0.0002	0.0006
other transport equipment	0.0000	0.0000	0.0000	0.0000	0.0000
electrical machinery	0.0002	0.0003	0.0002	0.0001	0.0001
other machinery & equipment	0.0020	0.0021	0.0026	0.0010	0.0011
non-metallic minerals	0.0013	0.0106	0.0005	0.0001	0.0000
other durables	0.0002	0.0003	0.0013	0.0017	0.0029
processed foods	0.0338	0.0120	0.0028	0.0000	0.0000
beverages & tobacco	0.0000	0.0021	0.0000	0.0000	0.0000
textiles	0.0002	0.0009	0.0759	0.0838	0.0057
apparel	0.0000	0.0000	0.0001	0.0005	0.0000
leather	0.0000	0.0000	0.0000	0.0011	0.0088
paper, pulp, & publishing	0.0052	0.0088	0.0039	0.0016	0.0028
petrochemicals	0.0000	0.0000	0.0000	0.0000	0.0000
chemicals, rubber, plastics	0.0109	0.0105	0.0625	0.0033	0.0568
trade	0.0002	0.0003	0.0003	0.0003	0.0004
transport	0.0002	0.0001	0.0002	0.0001	0.0001
information	0.0001	0.0001	0.0001	0.0000	0.0001
finance & insurance	0.0002	0.0004	0.0004	0.0002	0.0003
business services	0.0005	0.0013	0.0004	0.0007	0.0004
consumer services	0.0001	0.0001	0.0003	0.0001	0.0003
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.0953	0.0634	0.1619	0.1113	0.1334

U.S. input shares of Canadian producer price -- by industry

	paper, pulp, & publishing	petro- chemicals	chemicals, rubber, plastics	trade	transport
<i>imported inputs</i>					
agriculture & fisheries	0.0002	0.0000	0.0020	0.0015	0.0005
forestry	0.0023	0.0000	0.0000	0.0000	0.0000
mining	0.0007	0.1395	0.0020	0.0000	0.0002
utilities	0.0012	0.0012	0.0007	0.0001	0.0001
construction	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0009	0.0000	0.0002	0.0001	0.0001
iron & steel	0.0001	0.0000	0.0003	0.0000	0.0001
non-ferrous metals	0.0011	0.0000	0.0018	0.0000	0.0001
fabricated metals	0.0014	0.0005	0.0032	0.0003	0.0008
motor vehicles	0.0007	0.0002	0.0006	0.0016	0.0022
other transport equipment	0.0001	0.0000	0.0000	0.0004	0.0009
electrical machinery	0.0019	0.0003	0.0006	0.0003	0.0007
other machinery & equipment	0.0054	0.0008	0.0032	0.0010	0.0019
non-metallic minerals	0.0003	0.0009	0.0014	0.0006	0.0002
other durables	0.0005	0.0002	0.0007	0.0003	0.0002
processed foods	0.0004	0.0001	0.0040	0.0064	0.0000
beverages & tobacco	0.0000	0.0000	0.0000	0.0000	0.0000
textiles	0.0008	0.0000	0.0016	0.0004	0.0002
apparel	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0500	0.0012	0.0035	0.0062	0.0014
petrochemicals	0.0010	0.0165	0.0032	0.0001	0.0033
chemicals, rubber, plastics	0.0175	0.0133	0.1284	0.0031	0.0029
trade	0.0003	0.0003	0.0004	0.0001	0.0003
transport	0.0002	0.0001	0.0003	0.0004	0.0016
information	0.0001	0.0001	0.0000	0.0001	0.0001
finance & insurance	0.0001	0.0004	0.0003	0.0001	0.0002
business services	0.0007	0.0004	0.0010	0.0007	0.0023
consumer services	0.0001	0.0001	0.0007	0.0000	0.0002
real estate	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.0880	0.1761	0.1602	0.0241	0.0205

U.S. input shares of Canadian producer price -- by industry

	information	finance & insurance	business services	consumer services	real estate	other services
<i>imported inputs</i>						
agriculture & fisheries	0.0000	0.0000	0.0000	0.0001	0.0000	0.0002
forestry	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
mining	0.0000	0.0000	0.0000	0.0001	0.0000	0.0001
utilities	0.0001	0.0001	0.0001	0.0006	0.0000	0.0001
construction	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
lumber	0.0002	0.0000	0.0002	0.0001	0.0000	0.0000
iron & steel	0.0000	0.0000	0.0001	0.0005	0.0000	0.0000
non-ferrous metals	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000
fabricated metals	0.0002	0.0000	0.0007	0.0008	0.0000	0.0002
motor vehicles	0.0003	0.0000	0.0004	0.0003	0.0000	0.0000
other transport equipment	0.0001	0.0000	0.0001	0.0000	0.0000	0.0001
electrical machinery	0.0009	0.0005	0.0018	0.0017	0.0000	0.0010
other machinery & equipment	0.0008	0.0002	0.0018	0.0032	0.0000	0.0077
non-metallic minerals	0.0000	0.0000	0.0001	0.0004	0.0000	0.0001
other durables	0.0001	0.0001	0.0002	0.0006	0.0000	0.0001
processed foods	0.0000	0.0001	0.0001	0.0005	0.0000	0.0006
beverages & tobacco	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
textiles	0.0000	0.0000	0.0000	0.0003	0.0000	0.0003
apparel	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
leather	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
paper, pulp, & publishing	0.0007	0.0026	0.0037	0.0046	0.0000	0.0027
petrochemicals	0.0001	0.0000	0.0001	0.0001	0.0000	0.0000
chemicals, rubber, plastics	0.0005	0.0004	0.0026	0.0026	0.0000	0.0019
trade	0.0002	0.0001	0.0003	0.0009	0.0000	0.0001
transport	0.0002	0.0003	0.0003	0.0011	0.0000	0.0009
information	0.0016	0.0001	0.0001	0.0001	0.0000	0.0002
finance & insurance	0.0001	0.0106	0.0001	0.0000	0.0004	0.0001
business services	0.0005	0.0010	0.0063	0.0002	0.0003	0.0010
consumer services	0.0006	0.0004	0.0001	0.0018	0.0000	0.0002
real estate	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
other services	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.0073	0.0168	0.0193	0.0210	0.0007	0.0176

Annex Table A-5
Detailed Indirect Export Composition

Indirect exports -- domestic activity per dollar of exports

	United States		Canada	
	Indirect activities, value	Indirect activities, share of total	Indirect activities, value	Indirect activities, share of total
agriculture & fisheries	0.1040	0.0251	0.0790	0.0315
forestry	0.0050	0.0012	0.0240	0.0096
mining	0.0470	0.0113	0.0820	0.0327
utilities	0.0830	0.0200	0.0590	0.0235
construction	0.0720	0.0173	0.0210	0.0084
lumber	0.0340	0.0082	0.0770	0.0307
iron & steel	0.0290	0.0070	0.0370	0.0147
non-ferrous metals	0.0270	0.0065	0.0420	0.0167
fabricated metals	0.0600	0.0145	0.0480	0.0191
motor vehicles	0.1270	0.0306	0.3190	0.1271
other transport equipment	0.0770	0.0185	0.0830	0.0331
electrical machinery	0.1930	0.0465	0.0800	0.0319
other machinery & equipment	0.2360	0.0569	0.2060	0.0821
non-metallic minerals	0.0310	0.0075	0.0200	0.0080
other durables	0.0360	0.0087	0.0170	0.0068
processed foods	0.1430	0.0344	0.1050	0.0418
beverages & tobacco	0.0280	0.0067	0.0140	0.0056
textiles	0.0340	0.0082	0.0220	0.0088
apparel	0.0310	0.0075	0.0190	0.0076
leather	0.0080	0.0019	0.0040	0.0016
paper, pulp, & publishing	0.0970	0.0234	0.1130	0.0450
petrochemicals	0.0400	0.0096	0.0290	0.0116
chemicals, rubber, plastics	0.2130	0.0513	0.1510	0.0602
trade	0.4520	0.1089	0.1910	0.0761
transport	0.2170	0.0523	0.1820	0.0725
information	0.0860	0.0207	0.0380	0.0151
finance & insurance	0.3400	0.0819	0.0680	0.0271
business services	0.3770	0.0908	0.1230	0.0490
consumer services	0.2310	0.0556	0.0800	0.0319
real estate	0.2310	0.0556	0.1330	0.0530
other services	0.4620	0.1113	0.0440	0.0175