

Regional Clusters and Commodity Imports

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Section I: Commodity Imports

1. Although performance based cluster rankings and gap analysis give us an idea about the driver industries in the region, we may also want to look at the issue of “import substitution”
 - I. The concept of import substitution in the context of the regional economy is related to strengthening existing industries/clusters by bringing their suppliers to the region
 - II. This idea is related to the “cluster gap” analysis but goes beyond it by approaching the issue from industry commodity demand
 - a. In the tables that follow, “commodity imported” has the same name as the sectors in the regional economy
 - b. The first column represents the “commodities imported” and subsequent columns refer to the numeric codes of the regional industry clusters
 - c. The last column represents total value of the given commodity imported by the regional clusters

Section I: Commodity Imports/ Targeting Clusters

1. Percent of the commodity imported by each cluster is given in cells
 - I. We only included percentages higher than 4.5 for simplicity
2. For example, the regional clusters imported \$114 million worth of the commodity of “Audio and video equipment manufacturing” in 2006
 - I. Nearly 100 percent (99.39 percent) of this commodity was imported by the cluster number 13, that is “Motor Vehicle” cluster
 - II. Targeting “audio and video equipment manufacturing” sector would make perfect sense as it will strengthen a high performing regional cluster by bringing the suppliers to the region
3. The following two (2) tables include top 50 commodities imported by the regional clusters
4. The rest of the tables give top 20 imported commodities by each of 32 sub-sectors

Section II: Top 25 Imported Commodities, the Highest Importing Clusters and Total Value of Import

Table 1. Top 25 Commodities Imported vs. Importing Regional Clusters' Share in Each Commodity's Import (% , 2006)

Commodity Imported\Regional Clusters	11	12	13	22	32	41	53	54	55	56	61	72	81	91	92	101	111	131	132	151	Import Total (million \$)	
Motor vehicle parts manufacturing			98.65																			\$3,488
Wholesale trade			39.80		9.05								5.16		6.81					6.62		\$680
Management of companies and enterprises			26.17		8.47				4.62		6.64				15.31					5.26		\$376
Iron and steel mills			53.20	8.13	18.40	9.11																\$343
Petroleum refineries								35.42						5.56	24.67							\$340
Semiconductors and related device manufacturing	11.07		60.95		5.63																	\$246
All other miscellaneous professional and technical			39.13		6.33												9.69					\$235
Plastics material and resin manufacturing			13.19				28.03	4.97	34.11	11.44												\$220
Petrochemical manufacturing								86.95														\$167
Other engine equipment manufacturing	7.02		86.95		5.53																	\$153
Paper and paperboard mills							74.14															\$145
AC- refrigeration- and forced air heating			20.98		75.00																	\$139
Real estate											15.61		5.28		20.72		27.62	7.43				\$127
Audio and video equipment manufacturing			99.39																			\$114
Other basic organic chemical manufacturing							24.63	25.78	17.58		6.87						6.37			5.36		\$114
Lessors of nonfinancial intangible assets			61.43																	11.68		\$109
Securities- commodity contracts- investments			27.92								4.59						6.00	35.04				\$109
Copper rolling- drawing- and extruding			16.48		57.23								16.34									\$106
Automotive repair and maintenance- except car wash			86.82																			\$100
Architectural and engineering services			39.12								7.53					6.72	7.95		7.37			\$91
Telecommunications			13.25		5.38						10.90					6.76	10.10		32.97			\$89
Paperboard container manufacturing			10.80		9.28		7.12		4.84			13.48			19.02					14.48		\$88
Synthetic rubber manufacturing									91.92													\$85
Tire manufacturing			82.29						5.82													\$84
Nondepository credit intermediation and related			28.72		4.53						12.06					6.27		13.65				\$82

Section II: Top 25-50 Imported Commodities, the Highest Importing Clusters and Total Value of Import

Top 25-50 Commodities Imported vs. Regional Clusters' Import Share in Each Commodity's Import (% , 2006)

Commodity Imported\Regional Clusters	13	21	22	32	41	53	54	56	61	81	91	92	101	111	131	132	141	151	Import Total (million \$)
Forest nurseries- forest products- and timber trac								33.02										66.06	\$79
Legal services				8.10				5.38	13.06					9.51	27.52	10.06			\$70
Management consulting services	15.67								24.27					9.41	17.07	6.54			\$70
Ferrous metal foundaries	67.25		5.87	19.73															\$69
Monetary authorities and depository credit interme	30.86			5.13					6.89			5.07		5.08		10.37			\$68
Hotels and motels- including casino hotels	23.73			5.04			5.93		16.09			5.48	4.75	7.03	5.59				\$66
Primary aluminum production	14.21									75.31									\$65
Paint and coating manufacturing	71.47			5.51															\$64
Motor and generator manufacturing				91.94															\$60
Motor vehicle body manufacturing	99.91																		\$59
Turned product and screw- nut- and bolt manufactur	77.26			11.22															\$59
Other animal food manufacturing											98.54								\$56
Air transportation	43.17			5.10					8.83			5.38		5.61					\$54
Aluminum foundries	77.26			14.01															\$54
Other rubber product manufacturing	46.71							40.05						4.51					\$53
Insurance carriers	7.54						5.09		6.13				25.54	4.92	27.83				\$53
Hardware manufacturing	77.62		11.01	4.59															\$53
Aluminum sheet- plate- and foil manufacturing	34.76			30.07	7.73					18.84									\$52
Logging																		99.90	\$51
Rail transportation	31.76					4.66	5.39	5.04		8.68	5.08	7.39	6.32						\$49
Warehousing and storage	36.67			4.94								9.98	10.88					4.60	\$49
Data processing services	21.40			7.72					10.23			6.04		12.25	4.81	4.96			\$48
Natural gas distribution	16.71	9.01					14.57			5.41		9.69	5.77	5.11					\$47
Machine shops	44.73		10.29	15.85															\$46
Advertising and related services	6.89			6.85					20.13				7.05	10.66	4.63	7.24		13.69	\$45

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 3. Top 20 Commodities Imported by Cluster 11 (million \$, 2006)

Commodities Imported	Computer and Electronic Equipment Cluster (11)
Semiconductors and related device manufacturing	\$27.23
Wholesale trade	\$7.91
All other electronic component manufacturing	\$6.81
Management of companies and enterprises	\$6.17
Broadcast and wireless communications equipment	\$3.87
Business support services	\$2.85
All other miscellaneous professional and technical	\$2.41
Iron and steel mills	\$2.15
Primary nonferrous metal- except copper and alumin	\$1.61
Architectural and engineering services	\$1.61
Electronic computer manufacturing	\$1.55
Copper rolling- drawing- and extruding	\$1.11
Plastics material and resin manufacturing	\$1.03
Legal services	\$0.96
All other forging and stamping	\$0.94
Sheet metal work manufacturing	\$0.87
Scientific research and development services	\$0.84
Custom roll forming	\$0.81
Electroplating- anodizing- and coloring metal	\$0.74
Other basic organic chemical manufacturing	\$0.72
Sub-total	\$72.20
Cluster total	\$94.71
Percent of Cluster Total	76.24

Table 4. Top 20 Commodities Imported by Cluster 12 (million \$, 2006)

Commodities Imported	Construction Machinery and Distribution Equipment Cluster
Iron and steel mills	\$11.86
Other engine equipment manufacturing	\$10.77
Wholesale trade	\$5.96
Motor vehicle parts manufacturing	\$5.85
Management of companies and enterprises	\$3.14
Speed changers and mechanical power transmission e	\$2.76
Ferrous metal foundaries	\$2.56
Metal valve manufacturing	\$2.22
Tire manufacturing	\$2.06
Fluid power pump and motor manufacturing	\$1.99
All other miscellaneous professional and technical	\$1.61
Fabricated structural metal manufacturing	\$1.39
All other forging and stamping	\$1.27
Fluid power cylinder and actuator manufacturing	\$1.25
Rubber and plastics hose and belting manufacturing	\$1.17
Petroleum refineries	\$1.16
Sheet metal work manufacturing	\$1.03
Construction machinery manufacturing	\$1.01
Motor and generator manufacturing	\$1.01
Semiconductors and related device manufacturing	\$0.94
Sub total	\$72.97
Cluster total	\$80.57
Percent of Cluster Total	90.57

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 5. Top 20 Commodities Imported by Cluster 13 (million \$, 2006)

Commodities Imported	Motor Vehicles Cluster
Motor vehicle parts manufacturing	\$3,441.25
Wholesale trade	\$270.45
Iron and steel mills	\$182.35
Semiconductors and related device manufacturing	\$149.90
Other engine equipment manufacturing	\$133.36
Audio and video equipment manufacturing	\$113.14
Management of companies and enterprises	\$98.37
All other miscellaneous professional and technical	\$91.78
Automotive repair and maintenance- except car wash	\$86.95
Tire manufacturing	\$68.91
Lessors of nonfinancial intangible assets	\$66.93
Motor vehicle body manufacturing	\$58.91
Ferrous metal foundries	\$46.41
Paint and coating manufacturing	\$45.91
Turned product and screw- nut- and bolt manufactur	\$45.31
Aluminum foundries	\$41.52
Hardware manufacturing	\$40.91
Totalizing fluid meters and counting devices	\$40.32
Architectural and engineering services	\$35.79
Specialized design services	\$31.93
Sub total	\$5,090.40
Cluster total	\$6,031.14
Percent of cluster total	84.40

Table 6. Top 20 Commodities Imported by Cluster 21 (million \$, 2006)

Commodities Imported	Glass Products Cluster
Wholesale trade	\$12.54
Management of companies and enterprises	\$8.30
Glass and glass products- except glass containers	\$7.36
Nonclay refractory manufacturing	\$5.54
Other basic inorganic chemical manufacturing	\$5.21
All other miscellaneous professional and technical	\$4.24
Natural gas distribution	\$4.23
Adhesive manufacturing	\$3.73
Paperboard container manufacturing	\$3.71
Sand- gravel- clay- and refractory mining	\$3.61
Iron and steel mills	\$3.55
Other basic organic chemical manufacturing	\$2.62
Petroleum refineries	\$2.61
Semiconductors and related device manufacturing	\$2.52
Other miscellaneous chemical product manufacturing	\$2.04
Coal mining	\$1.56
Paint and coating manufacturing	\$1.34
Gold- silver- and other metal ore mining	\$1.08
Nondepository credit intermediation and related a	\$1.03
Sub-total	\$76.80
Cluster total	\$104.45
Percent of cluster total	73.53

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 7. Top 20 Commodities Imported by Cluster 22 (million \$, 2006)

Commodities Imported	Machine Tools Cluster
Iron and steel mills	\$27.86
Management of companies and enterprises	\$12.21
Wholesale trade	\$9.35
Hardware manufacturing	\$5.80
Steel wire drawing	\$5.63
All other miscellaneous professional and technical	\$5.25
Machine shops	\$4.76
Copper rolling- drawing- and extruding	\$4.41
Ferrous metal foundries	\$4.05
Ball and roller bearing manufacturing	\$3.48
Semiconductors and related device manufacturing	\$2.99
Broadwoven fabric mills	\$2.82
Paint and coating manufacturing	\$2.50
Turned product and screw- nut- and bolt manufactur	\$2.44
Aluminum foundries	\$2.34
Aluminum sheet- plate- and foil manufacturing	\$2.24
Iron and steel forging	\$2.19
Other communication and energy wire manufacturing	\$1.66
Securities- commodity contracts- investments	\$1.64
Sub-total	\$103.61
Cluster total	\$150.82
Percent of cluster total	68.70

Table 8. Top 20 Commodities Imported by Cluster 31 (million \$, 2006)

Commodities Imported	Concrete, Brick, Building Products Cluster
Cement manufacturing	\$11.02
Sand- gravel- clay- and refractory mining	\$4.91
Stone mining and quarrying	\$3.90
Management of companies and enterprises	\$2.42
Wholesale trade	\$1.53
Ready-mix concrete manufacturing	\$1.36
All other miscellaneous professional and technical	\$1.09
Rail transportation	\$0.82
Other basic inorganic chemical manufacturing	\$0.82
Water transportation	\$0.66
Natural gas distribution	\$0.60
Semiconductors and related device manufacturing	\$0.59
Steel wire drawing	\$0.59
Paper and paperboard mills	\$0.53
Fabricated structural metal manufacturing	\$0.46
Gypsum product manufacturing	\$0.44
Paint and coating manufacturing	\$0.42
Petroleum refineries	\$0.40
Sub-total	\$32.57
Cluster total	\$42.03
Percent of cluster total	\$77.49

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 9. Top 20 Commodities Imported by Cluster 32 (million \$, 2006)

Row Labels	Nondurable Industry Machinery Cluster
AC- refrigeration- and forced air heating	\$104.50
Iron and steel mills	\$63.06
Wholesale trade	\$61.48
Copper rolling- drawing- and extruding	\$60.92
Motor and generator manufacturing	\$55.07
Management of companies and enterprises	\$31.83
Automatic environmental control manufacturing	\$21.25
Aluminum sheet- plate- and foil manufacturing	\$15.60
All other miscellaneous professional and technical	\$14.84
Semiconductors and related device manufacturing	\$13.84
Ferrous metal foundries	\$13.62
Relay and industrial control manufacturing	\$12.17
All other forging and stamping	\$10.89
Metal valve manufacturing	\$10.41
Heating equipment- except warm air furnaces	\$9.94
Other engine equipment manufacturing	\$8.48
Paperboard container manufacturing	\$8.21
Wiring device manufacturing	\$7.55
Aluminum foundries	\$7.53
Machine shops	\$7.33
Sub-total	\$538.52
Cluster total	\$751.40
Percent of cluster total	71.67

Table 10. Top 20 Commodities Imported by Cluster 41 (million \$, 2006)

Commodities Imported	Metalworking and Fabricated Metal Products Cluster
Iron and steel mills	\$31.21
Wholesale trade	\$6.65
Fabricated structural metal manufacturing	\$6.50
Aluminum sheet- plate- and foil manufacturing	\$4.01
Motor vehicle parts manufacturing	\$3.75
Sheet metal work manufacturing	\$3.59
Management of companies and enterprises	\$3.34
Miscellaneous fabricated metal product manufacturi	\$3.03
Copper rolling- drawing- and extruding	\$2.96
Primary aluminum production	\$2.81
All other miscellaneous professional and technical	\$2.47
Paint and coating manufacturing	\$1.91
Fabricated pipe and pipe fitting manufacturing	\$1.44
Semiconductors and related device manufacturing	\$1.43
Plate work manufacturing	\$1.30
Other miscellaneous chemical product manufacturing	\$1.17
Sub-total	\$77.55
Cluster total	\$103.01
Percent of cluster total	75.28

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 11. Top 20 Commodities Imported by Cluster 51 (million \$, 2006)

Table 12. Top 20 Commodities Imported by Cluster 52 (million \$, 2006)

Commodities Imported	Chemical- Based Products Cluster	Commodities Imported	Mining Cluster
Petrochemical manufacturing	\$5.81	Petroleum refineries	\$6.15
Petroleum refineries	\$4.96	Construction machinery manufacturing	\$1.61
Management of companies and enterprises	\$4.15	Railroad rolling stock manufacturing	\$1.31
All other petroleum and coal products manufacturing	\$3.96	Stone mining and quarrying	\$1.29
Wholesale trade	\$2.86	Management of companies and enterprises	\$1.12
Other basic organic chemical manufacturing	\$2.34	Conveyor and conveying equipment manufacturing	\$0.96
Other basic inorganic chemical manufacturing	\$1.99	Scenic and sightseeing transportation and support	\$0.82
Nitrogenous fertilizer manufacturing	\$1.87	Wholesale trade	\$0.73
Miscellaneous nonmetallic mineral products	\$1.60	Machinery and equipment rental and leasing	\$0.59
Lessors of nonfinancial intangible assets	\$1.59	Motor vehicle parts manufacturing	\$0.59
All other miscellaneous professional and technical	\$1.28	Pump and pumping equipment manufacturing	\$0.41
Architectural and engineering services	\$1.19	Securities- commodity contracts- investments	\$0.38
Oil and gas extraction	\$1.05	Other communications equipment manufacturing	\$0.36
Ground or treated minerals and earths manufacturing	\$0.92	Independent artists- writers- and performers	\$0.33
Industrial process variable instruments	\$0.82	Support activities for other mining	\$0.30
Natural gas distribution	\$0.68	Management consulting services	\$0.29
Plastics pipe- fittings- and profile shapes	\$0.65	Other computer related services- including facilit	\$0.27
Scientific research and development services	\$0.64	Lessors of nonfinancial intangible assets	\$0.26
Gold- silver- and other metal ore mining	\$0.61	Oil and gas extraction	\$0.24
Power generation and supply	\$0.61	Fabricated structural metal manufacturing	\$0.24
Sub-total	\$39.57	Sub-total	\$18.26
Cluster total	\$51.81	Cluster total	\$23.50
Percent of cluster total	76.38	Percent of cluster total	77.70

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 13. Top 20 Commodities Imported by Cluster 53 (million \$, 2006)

Table 14. Top 20 Commodities Imported by Cluster 54 (million \$, 2006)

Commodities Imported	Paper Cluster	Commodities Imported	Petroleum and Gas Cluster
Paper and paperboard mills	\$107.52	Petrochemical manufacturing	\$145.01
Plastics material and resin manufacturing	\$61.65	Petroleum refineries	\$120.31
Management of companies and enterprises	\$15.44	Waste management and remediation services	\$29.13
Wholesale trade	\$13.00	Other basic organic chemical manufacturing	\$28.02
Paperboard container manufacturing	\$6.30	Oil and gas extraction	\$25.74
Printing ink manufacturing	\$5.67	Wholesale trade	\$15.13
All other miscellaneous professional and technical	\$5.27	Plastics material and resin manufacturing	\$10.94
Petroleum refineries	\$4.64	Motor vehicle parts manufacturing	\$10.73
Adhesive manufacturing	\$3.65	Commercial machinery repair and maintenance	\$9.20
Plastics pipe- fittings- and profile shapes	\$3.58	Coal mining	\$7.01
Semiconductors and related device manufacturing	\$3.06	Natural gas distribution	\$6.83
Other basic organic chemical manufacturing	\$2.71	Management of companies and enterprises	\$6.42
Rail transportation	\$2.28	Pipeline transportation	\$5.91
Nondepository credit intermediation and related a	\$1.31	Lessors of nonfinancial intangible assets	\$4.31
Monetary authorities and depository credit interme	\$1.24	Automotive repair and maintenance- except car wash	\$3.94
Securities- commodity contracts- investments	\$1.20	Hotels and motels- including casino hotels	\$3.92
Real estate	\$1.19	All other miscellaneous professional and technical	\$3.80
Pulp mills	\$1.16	Legal services	\$3.79
Hotels and motels- including casino hotels	\$1.16	Telecommunications	\$3.48
Laminated plastics plate- sheet- and shapes	\$1.10	Insurance carriers	\$2.69
Sub-total	\$243.12	Sub-total	\$446.31
Cluster total	\$272.70	Cluster total	\$518.95
Percent of cluster total	89.15	Percent of cluster total	86.00

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 15. Top 20 Commodities Imported by Cluster 55 (million \$, 2006)

Table 16. Top 20 Commodities Imported by Cluster 56 (million \$, 2006)

Commodities Imported	Plastics Products Cluster	Commodities Imported	Rubber Products Cluster
Plastics material and resin manufacturing	\$75.00	Synthetic rubber manufacturing	\$78.58
Other basic organic chemical manufacturing	\$29.32	Tire cord and tire fabric mills	\$29.83
Wholesale trade	\$14.90	Forest nurseries- forest products- and timber trac	\$26.19
Petroleum refineries	\$10.52	Plastics material and resin manufacturing	\$25.16
Management of companies and enterprises	\$9.72	Other rubber product manufacturing	\$21.18
Petrochemical manufacturing	\$6.01	Other basic organic chemical manufacturing	\$19.99
All other miscellaneous professional and technical	\$5.41	Wholesale trade	\$18.57
Pesticide and other agricultural chemical manufact	\$4.71	Management of companies and enterprises	\$17.38
Plastics pipe- fittings- and profile shapes	\$4.31	Iron and steel mills	\$10.21
Paperboard container manufacturing	\$4.28	Steel wire drawing	\$9.71
Semiconductors and related device manufacturing	\$3.54	All other miscellaneous professional and technical	\$8.97
Wet corn milling	\$3.49	Other basic inorganic chemical manufacturing	\$7.06
Synthetic dye and pigment manufacturing	\$3.01	Miscellaneous fabricated metal product manufacturi	\$6.99
Plastics and rubber industry machinery	\$2.75	Semiconductors and related device manufacturing	\$5.29
Relay and industrial control manufacturing	\$2.16	Tire manufacturing	\$4.87
Other basic inorganic chemical manufacturing	\$1.83	Petroleum refineries	\$4.85
Architectural and engineering services	\$1.78	Cellulosic organic fiber manufacturing	\$4.57
Synthetic rubber manufacturing	\$1.74	Paperboard container manufacturing	\$4.11
Paper and paperboard mills	\$1.70	Textile and fabric finishing mills	\$3.43
Rail transportation	\$1.66	Architectural and engineering services	\$3.29
Sub-total	\$187.84	Sub-total	\$310.23
Cluster total	\$233.58	Cluster total	\$390.65
Percent of cluster total	80.42	Percent of cluster total	79.41

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 17. Top 20 Commodities Imported by Cluster 61 (million \$, 2006)

Commodities Imported	Business Services Cluster
Management of companies and enterprises	\$24.96
Real estate	\$19.90
Management consulting services	\$16.90
Wholesale trade	\$13.77
Hotels and motels- including casino hotels	\$10.63
Nondepository credit intermediation and related a	\$9.85
Telecommunications	\$9.75
Legal services	\$9.20
Advertising and related services	\$9.14
Petroleum refineries	\$8.50
Office administrative services	\$7.89
Environmental and other technical consulting service	\$7.15
Architectural and engineering services	\$6.88
Semiconductors and related device manufacturing	\$6.78
All other miscellaneous professional and technical	\$6.42
Business support services	\$6.42
Employment services	\$6.24
Accounting and bookkeeping services	\$5.51
Securities- commodity contracts- investments	\$5.00
Data processing services	\$4.91
Sub-total	\$195.77
Cluster total	\$310.28
Percent of cluster total	63.09

Table 18. Top 20 Commodities Imported by Cluster 71 (million \$, 2006)

Commodities Imported	Leather Products Cluster
Leather and hide tanning and finishing	\$4.80
Polish and other sanitation good manufacturing	\$3.35
Wholesale trade	\$2.89
Management of companies and enterprises	\$1.99
Other leather product manufacturing	\$1.71
Broadwoven fabric mills	\$1.70
Plastics material and resin manufacturing	\$1.55
All other miscellaneous professional and technical	\$1.16
Fiber- yarn- and thread mills	\$1.12
Animal- except poultry- slaughtering	\$0.92
Other basic inorganic chemical manufacturing	\$0.63
Narrow fabric mills and schiffli embroidery	\$0.58
Noncellulosic organic fiber manufacturing	\$0.52
Semiconductors and related device manufacturing	\$0.47
Surface active agent manufacturing	\$0.45
Other miscellaneous textile product mills	\$0.41
Lessors of nonfinancial intangible assets	\$0.40
Natural gas distribution	\$0.32
Monetary authorities and depository credit interme	\$0.30
Cut and sew apparel manufacturing	\$0.30
Sub-total	\$25.59
Cluster total	\$32.52
Percent of cluster total	78.69

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 19. Top 20 Commodities Imported by Cluster 72 (million \$, 2006)

Commodities Imported	Optical Equipment and Instruments
Wholesale trade	\$19.06
Paperboard container manufacturing	\$11.92
Management of companies and enterprises	\$10.14
Office supplies- except paper- manufacturing	\$9.25
Other basic organic chemical manufacturing	\$7.81
Synthetic dye and pigment manufacturing	\$6.26
All other miscellaneous professional and technical	\$6.08
Plastics pipe- fittings- and profile shapes	\$4.74
Paper and paperboard mills	\$4.67
Semiconductors and related device manufacturing	\$3.61
Ground or treated minerals and earths manufacturing	\$3.35
Other nonmetallic mineral mining	\$2.31
Miscellaneous fabricated metal product manufacturi	\$2.08
Sawmills	\$2.06
Iron and steel mills	\$1.86
Securities- commodity contracts- investments	\$1.73
Advertising and related services	\$1.70
Legal services	\$1.59
Real estate	\$1.44
Laminated plastics plate- sheet- and shapes	\$1.33
Sub-total	\$103.00
Cluster total	\$146.05
Percent of cluster total	70.52

Table 20. Top 20 Commodities Imported by Cluster 73 (million \$, 2006)

Commodities Imported	Textiles and Apparel Cluster
Broadwoven fabric mills	\$18.47
Noncellulosic organic fiber manufacturing	\$17.07
Fiber- yarn- and thread mills	\$13.32
Wholesale trade	\$10.23
Management of companies and enterprises	\$5.78
Spring and wire product manufacturing	\$5.61
Textile and fabric finishing mills	\$5.13
Synthetic dye and pigment manufacturing	\$4.55
Knit fabric mills	\$4.48
All other miscellaneous professional and technical	\$3.86
Cut and sew apparel manufacturing	\$3.20
Cellulosic organic fiber manufacturing	\$2.26
Other support services	\$2.22
Narrow fabric mills and schiffli embroidery	\$2.15
Semiconductors and related device manufacturing	\$2.10
Other miscellaneous textile product mills	\$1.95
Natural gas distribution	\$1.50
Buttons- pins- and all other miscellaneous manufac	\$1.27
Carpet and rug mills	\$1.07
Petroleum refineries	\$1.04
Sub-total	\$107.26
Cluster total	\$130.25
Percent of cluster total	82.35

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 21. Top 20 Commodities Imported by Cluster 74 (million \$, 2006)

Commodities Imported	Wood Product and Furniture
Iron and steel mills	\$1.12
Wholesale trade	\$0.75
Reconstituted wood product manufacturing	\$0.37
Management of companies and enterprises	\$0.27
Paperboard container manufacturing	\$0.26
All other miscellaneous professional and technical	\$0.21
Paint and coating manufacturing	\$0.19
Plastics plumbing fixtures and all other plastics	\$0.17
Hardware manufacturing	\$0.16
Aluminum sheet- plate- and foil manufacturing	\$0.16
Sheet metal work manufacturing	\$0.15
Laminated plastics plate- sheet- and shapes	\$0.15
All other forging and stamping	\$0.13
Veneer and plywood manufacturing	\$0.13
Semiconductors and related device manufacturing	\$0.12
Textile and fabric finishing mills	\$0.11
Fabric coating mills	\$0.09
Sub-total	\$4.54
Cluster total	\$6.32
Percent of cluster total	71.84

Table 22. Top 20 Commodities Imported by Cluster 81 (million \$, 2006)

Commodities Imported	Aluminum and Copper products
Primary aluminum production	\$48.93
Wholesale trade	\$35.06
Primary smelting and refining of copper	\$23.20
Copper rolling- drawing- and extruding	\$17.39
Primary nonferrous metal- except copper and alumin	\$10.30
Aluminum sheet- plate- and foil manufacturing	\$9.77
Management of companies and enterprises	\$6.90
All other miscellaneous professional and technical	\$5.48
Rail transportation	\$4.25
Iron and steel mills	\$4.20
Gold- silver- and other metal ore mining	\$3.82
Petroleum refineries	\$3.40
Industrial pattern manufacturing	\$3.20
Semiconductors and related device manufacturing	\$2.79
Natural gas distribution	\$2.53
Ferroalloy and related product manufacturing	\$2.44
Scrap	\$1.96
Nonferrous metal- except copper and aluminum- shap	\$1.76
Coal mining	\$1.54
Securities- commodity contracts- investments	\$1.44
Sub-total	\$190.36
Cluster total	\$229.67
Percent of cluster total	82.88

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 23. Top 20 Commodities Imported by Cluster 91 (million \$, 2006)

Table 24. Top 20 Commodities Imported by Cluster 92 (million \$, 2006)

Commodities Imported	Feed Products Cluster	Commodities Imported	Packaged Food Products
Other animal food manufacturing	\$54.73	Management of companies and enterprises	\$57.55
Petroleum refineries	\$18.90	Wholesale trade	\$46.28
Soybean processing	\$13.04	Poultry and egg production	\$17.29
Wholesale trade	\$9.04	Paperboard container manufacturing	\$16.82
Grain farming	\$6.74	Fats and oils refining and blending	\$10.50
Real estate	\$6.73	Grain farming	\$9.17
Agriculture and forestry support activities	\$5.69	All other miscellaneous professional and technical	\$8.85
Pesticide and other agricultural chemical manufact	\$5.59	Plastics pipe- fittings- and profile shapes	\$8.77
Pharmaceutical and medicine manufacturing	\$2.60	Flour milling	\$8.75
Rail transportation	\$2.49	Petroleum refineries	\$7.12
Other oilseed processing	\$1.87	Coated and laminated paper and packaging materials	\$6.98
Warehousing and storage	\$1.68	Metal can- box- and other container manufacturing	\$5.09
All other crop farming	\$1.47	Warehousing and storage	\$4.88
Nitrogenous fertilizer manufacturing	\$1.43	Natural gas distribution	\$4.54
Farm machinery and equipment manufacturing	\$1.29	Animal production- except cattle and poultry and e	\$4.05
Insurance carriers	\$1.24	Vegetable and melon farming	\$3.95
Flour milling	\$1.17	Hotels and motels- including casino hotels	\$3.62
Industrial truck- trailer- and stacker manufacturi	\$1.04	Rail transportation	\$3.62
Monetary authorities and depository credit interme	\$0.99	Nondepository credit intermediation and related a	\$3.61
Cattle ranching and farming	\$0.92	Monetary authorities and depository credit interme	\$3.46
Sub-total	\$138.65	Sub-total	\$234.92
Cluster total	\$158.51	Cluster total	\$299.19
Percent of cluster total	87.47	Percent of cluster total	78.52

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 25. Top 20 Commodities Imported by Cluster 101 (million \$, 2006)

Commodities Imported	Hotels and Transportation Services
Petroleum refineries	\$83.81
Real estate	\$26.41
Motor vehicle parts manufacturing	\$14.18
Wholesale trade	\$13.95
Insurance carriers	\$13.50
Management of companies and enterprises	\$9.58
Scenic and sightseeing transportation and support	\$8.50
Office administrative services	\$6.93
Legal services	\$6.70
Management consulting services	\$6.55
Architectural and engineering services	\$6.15
Services to buildings and dwellings	\$6.08
Telecommunications	\$6.04
Travel arrangement and reservation services	\$5.75
Warehousing and storage	\$5.32
Automotive equipment rental and leasing	\$5.17
Nondepository credit intermediation and related a	\$5.12
Monetary authorities and depository credit interne	\$3.47
Tire manufacturing	\$3.46
Advertising and related services	\$3.20
Sub-total	\$239.89
Cluster total	\$329.97
Percent of cluster total	72.70

Table 26. Top 20 Commodities Imported by Cluster 111 (million \$, 2006)

Commodities Imported	Management, Higher Education and Hospitals
Real estate	\$35.20
All other miscellaneous professional and technical	\$22.74
Legal services	\$19.38
Office administrative services	\$12.25
Management consulting services	\$11.89
Wholesale trade	\$11.29
Pharmaceutical and medicine manufacturing	\$10.31
Employment services	\$9.23
Telecommunications	\$9.03
Commercial printing	\$8.08
Dog and cat food manufacturing	\$7.88
Guided missile and space vehicle manufacturing	\$7.75
Architectural and engineering services	\$7.28
Other basic organic chemical manufacturing	\$7.25
Securities- commodity contracts- investments	\$6.53
Polish and other sanitation good manufacturing	\$6.34
Business support services	\$6.07
Glass and glass products- except glass containers	\$6.01
Data processing services	\$5.87
Accounting and bookkeeping services	\$5.29
Sub-total	\$215.65
Cluster total	\$378.49
Percent of cluster total	56.98

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 27. Top 20 Commodities Imported by Cluster 112 (million \$, 2006)

Commodities Imported	Construction
Wholesale trade	\$5.62
Petroleum refineries	\$5.48
Plastics material and resin manufacturing	\$5.14
Architectural and engineering services	\$3.97
AC- refrigeration- and forced air heating	\$3.66
Metal window and door manufacturing	\$2.98
Ready-mix concrete manufacturing	\$2.73
Gypsum product manufacturing	\$2.70
Wood windows and door manufacturing	\$2.67
Motor vehicle parts manufacturing	\$2.63
Reconstituted wood product manufacturing	\$2.31
Synthetic dye and pigment manufacturing	\$1.86
Sawmills	\$1.82
Wood kitchen cabinet and countertop manufacturing	\$1.80
Management of companies and enterprises	\$1.80
Carpet and rug mills	\$1.79
Petrochemical manufacturing	\$1.65
Paint and coating manufacturing	\$1.54
Plastics pipe- fittings- and profile shapes	\$1.39
Household refrigerator and home freezer manufactur	\$1.38
Sub-total	\$54.94
Cluster total	\$105.96
Percent of cluster total	51.85

Table 28. Top 20 Commodities Imported by Cluster 121 (million \$, 2006)

Commodities Imported	Arts and Media
Motion picture and video industries	\$8.11
Spectator sports	\$4.54
Radio and television broadcasting	\$2.92
All other miscellaneous professional and technical	\$1.09
Independent artists- writers- and performers	\$0.93
Telecommunications	\$0.74
Promoters of performing arts and sports and agents	\$0.69
Lessors of nonfinancial intangible assets	\$0.68
Advertising and related services	\$0.64
Information services	\$0.47
Real estate	\$0.43
Audio and video media reproduction	\$0.28
Sound recording industries	\$0.27
Management of companies and enterprises	\$0.25
Nondepository credit intermediation and related a	\$0.19
Legal services	\$0.16
Securities- commodity contracts- investments	\$0.15
Management consulting services	\$0.14
Monetary authorities and depository credit interme	\$0.14
Accounting and bookkeeping services	\$0.13
Sub-total	\$22.96
Cluster total	\$25.41
Percent of cluster total	90.36

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 29. Top 20 Commodities Imported by Cluster 131 (million \$, 2006)

Table 30. Top 20 Commodities Imported by Cluster 132 (million \$, 2006)

Commodities Imported	Financial Services and Insurance Commodities Imported	Information Services
Securities- commodity contracts- investments	\$38.14	Telecommunications \$29.48
Insurance agencies- brokerages- and related	\$35.88	Architectural and engineering services \$6.74
Insurance carriers	\$14.70	Semiconductors and related device manufacturing \$5.24
Nondepository credit intermediation and related a	\$11.15	All other miscellaneous professional and technical \$4.08
Real estate	\$9.47	Noncomparable imports \$3.79
Accounting and bookkeeping services	\$7.56	Accounting and bookkeeping services \$3.49
Monetary authorities and depository credit interme	\$7.08	Advertising and related services \$3.28
Legal services	\$7.08	Other computer peripheral equipment manufacturing \$2.99
Petroleum refineries	\$6.34	Real estate \$2.98
All other miscellaneous professional and technical	\$4.89	Wholesale trade \$2.53
Management consulting services	\$4.56	Data processing services \$2.38
Management of companies and enterprises	\$3.69	Office administrative services \$2.12
Hotels and motels- including casino hotels	\$3.69	Employment services \$1.85
Automotive equipment rental and leasing	\$3.58	Telephone apparatus manufacturing \$1.56
Business support services	\$3.14	Legal services \$1.54
Telecommunications	\$2.88	Management of companies and enterprises \$1.51
Data processing services	\$2.30	Information services \$1.44
Advertising and related services	\$2.10	Computer storage device manufacturing \$1.43
Funds- trusts- and other financial vehicles	\$2.08	Management consulting services \$1.43
Air transportation	\$1.76	Specialized design services \$1.29
Sub-total	\$172.10	Sub-total \$81.17
Cluster total	\$198.17	Cluster total \$116.50
Percent of cluster total	86.84	Percent of cluster total 69.67

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 31. Top 20 Commodities Imported by Cluster 141 (million \$, 2006)

Commodities Imported	Wood Building Products and Processing
Forest nurseries- forest products- and timber trac	\$52.42
Logging	\$50.65
Sawmills	\$25.00
Wholesale trade	\$15.94
All other miscellaneous professional and technical	\$4.91
Petroleum refineries	\$4.73
Management of companies and enterprises	\$4.32
Reconstituted wood product manufacturing	\$3.74
Miscellaneous wood product manufacturing	\$3.69
Semiconductors and related device manufacturing	\$2.71
Rail transportation	\$2.06
Agriculture and forestry support activities	\$1.76
Hardware manufacturing	\$1.48
Paperboard container manufacturing	\$1.46
Paint and coating manufacturing	\$1.45
Nondepository credit intermediation and related a	\$1.43
Veneer and plywood manufacturing	\$1.43
Natural gas distribution	\$1.38
Monetary authorities and depository credit interme	\$1.35
Plastics material and resin manufacturing	\$1.32
Sub-total	\$183.22
Cluster total	\$208.42
Percent of cluster total	87.91

Table 32. Top 20 Commodities Imported by Cluster 151 (million \$, 2006)

Commodities Imported	Breweries and Distilleries
Wholesale trade	\$44.97
Distilleries	\$39.11
Plastics bottle manufacturing	\$20.51
Management of companies and enterprises	\$19.78
Glass container manufacturing	\$19.37
Paperboard container manufacturing	\$12.81
Lessors of nonfinancial intangible assets	\$12.72
Metal can- box- and other container manufacturing	\$12.45
Petroleum refineries	\$9.82
All other miscellaneous professional and technical	\$9.74
Flavoring syrup and concentrate manufacturing	\$7.58
Toilet preparation manufacturing	\$6.37
Advertising and related services	\$6.21
Other basic organic chemical manufacturing	\$6.10
Surface active agent manufacturing	\$4.70
Other miscellaneous chemical product manufacturing	\$4.42
Semiconductors and related device manufacturing	\$3.88
Wet corn milling	\$3.19
Noncomparable imports	\$2.95
Plastics plumbing fixtures and all other plastics	\$2.82
Sub-total	\$249.49
Cluster total	\$318.14
Percent of cluster total	78.42

Section III: Top 20 Commodity Imports by the Regional Clusters

Table 33. Top 20 Commodities Imported by Cluster 161 (million \$, 2006)

Commodities Imported	Printing and Publishing
Paper and paperboard mills	\$16.42
Information services	\$5.63
Wholesale trade	\$4.02
Printing ink manufacturing	\$3.86
All other miscellaneous professional and technical	\$3.12
Management of companies and enterprises	\$3.08
Commercial printing	\$2.39
Lessors of nonfinancial intangible assets	\$2.12
Periodical publishers	\$1.95
Books printing	\$1.87
Prepress services	\$1.33
Book publishers	\$1.13
Coated and laminated paper and packaging materials	\$1.09
Petroleum refineries	\$1.03
Database- directory- and other publishers	\$1.00
Real estate	\$0.97
Legal services	\$0.76
Printing machinery and equipment manufacturing	\$0.73
Advertising and related services	\$0.70
Telecommunications	\$0.65
Sub-total	\$53.54
Cluster total	\$69.25
Percent of cluster total	77.31

Table 34. Top 20 Commodities Imported by Cluster 171 (million \$, 2006)

Commodities Imported	Farming
Petroleum refineries	\$9.68
Pesticide and other agricultural chemical manufact	\$8.28
Nitrogenous fertilizer manufacturing	\$5.40
Real estate	\$3.43
Agriculture and forestry support activities	\$2.89
Phosphatic fertilizer manufacturing	\$2.25
Wholesale trade	\$2.10
Insurance carriers	\$0.82
Warehousing and storage	\$0.55
Farm machinery and equipment manufacturing	\$0.48
Greenhouse and nursery production	\$0.47
Steel wire drawing	\$0.38
Industrial truck- trailer- and stacker manufacturi	\$0.36
Monetary authorities and depository credit interme	\$0.34
Other basic inorganic chemical manufacturing	\$0.29
Grain farming	\$0.29
Motor vehicle parts manufacturing	\$0.27
Tire manufacturing	\$0.23
Power generation and supply	\$0.23
Plastics plumbing fixtures and all other plastics	\$0.19
Sub-total	\$38.93
Cluster total	\$42.40
Percent of cluster total	91.82

Thank You!

Questions?