

## Business Investment by Industry in the U.S. Economy for 1997

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ON September 30, 2003, the Bureau of Economic Analysis (BEA) released the capital flow table for 1997. This table supplements the 1997 benchmark input-output (I-O) accounts, which were published in the December 2002 *SURVEY OF CURRENT BUSINESS*.<sup>1</sup> The use table from the benchmark I-O accounts shows the materials and services input requirements for each industry. The capital flow table shows the structure of flows of new capital goods and services for each industry.

The capital flow table enables many types of analysis that are not possible using only the I-O table. Among these are the market analysis for capital goods, the examination of the effects of information technology investment on productivity, and the development of capital stocks by industry using asset-specific depreciation estimates. Analytical and statistical uses of the capital flow table are described in further detail below.

The 1997 capital flow table shows the destination of new investment in equipment, software, and structures in terms of the industries purchasing or leasing the new investment in 1997. This table is one of several BEA data products that present information on capital investment. The national income and product accounts (NIPAs) show investment by major type of asset. The I-O accounts show private fixed investment by detailed commodity as one column of purchases by all industries. The BEA fixed assets estimates show investment, depreciation, and net capital stocks by asset type by industry of owner. The capital flow table provides the most detailed view of investment by commodity and by using industry, showing flows of 180 commodities to 123 private sector industries.

The capital flow table is an important part of the theoretical apparatus that was developed by Wassily Leontief, the father of I-O analysis. However, Leontief did not succeed in building a capital flow table, and the first large-scale I-O table that was developed by the Bureau of Labor Statistics for 1947 had no capital flow table.<sup>2</sup> Work began on the first capital flow table after the 1963 benchmark I-O table was published by BEA. The 1997 capital flow table is the seventh in a series of tables that BEA has produced. The earlier tables supplemented the benchmark I-O accounts for 1963, 1967,

1972, 1977, 1982, and 1992.<sup>3</sup>

The following major changes have been introduced in the 1997 capital flow table:

- The data are now presented on the basis of the North American Industry Classification System (NAICS).
- More detail is now available in the services industries and the information sector (NAICS 51) that represent a large and growing market for information technology (IT) and other high-tech capital.
- The table now includes software investment, a change that was adopted in the NIPAs in 1999 and that was incorporated into the 1997 benchmark I-O accounts.

The goal of this article is to help make the capital flow table a familiar and useful tool to business economists, academic economists, and policymakers. The first section presents a tour of the main features of the table. The second section illustrates several analytical and statistical uses of the table. The remaining sections cover the definitions and conventions underlying the table, the methodology used to construct the table, and areas for future research.

### Presentation of the Capital Flow Table

The capital flow table is presented in two formats at the end of this article. Both formats reflect the same underlying data. In table 1, the rows show the flow of new capital goods and services by 180 I-O commodities in producers' prices.<sup>4</sup> In table 2, the rows show flows of new equipment, software, and structures by 51 major NIPA categories in purchasers' prices.<sup>5</sup> Both tables have 123 columns of using industries, which are listed in appendix A. The commodities that make up structures, equipment, and software investment flows are listed in appendix B.<sup>6</sup>

3. The capital flow tables for 1963, 1967, 1972, 1977, and 1992 were published in the August 1971, September 1975, July 1980, November 1985, and December 1998 issues of the *SURVEY*, respectively. The 1982 table was not published, but it is available on BEA's Web site. No table was prepared for 1987.

4. Data in purchasers' prices include trade and transportation costs; in the data in producers' prices these costs are moved to the trade and transportation rows of the table.

5. The categories in table 2 are roughly equivalent to those presented in NIPA tables 5.6 and 5.8 and are the same as those in appendix D in Lawson, et al. (2002). Note that in the 2003 comprehensive NIPA revision, to be released in December, these table numbers will be changed, and the asset categories will be somewhat different.

6. The commodities in Appendix A are identified by six-digit codes, and the industries in Appendix B by four-digit codes. These I-O codes are slightly modified NAICS codes. The tables are also available on BEA's Web site at <www.bea.gov> in an Excel spreadsheet. Aggregate versions of the table with 22 columns are available as well.

1. See Lawson, et al. (2002).

2. In the late 1940s, Bob Solow, a young graduate student, was put to the task of deriving capital coefficients. This project never resulted in a published table. Leontief (1976) is the canonical presentation. Solow (1998) provides an anecdotal account of working with Leontief. The NBER volume (1955) contains various articles relating to the 1947 I-O study.

**The capital flow table by I-O commodity.** The rows in table 1 show I-O commodities in producers' prices by using industry. The trade margins and transportation costs are in separate rows that represent the costs that are allocated to the users of the commodities.

The final row of the table shows total investment in new equipment, software, and structures used by each industry. The last column in the table shows the total sales of each commodity to private fixed investment. The trade and transportation rows show the margins that were spent to bring the good or service to the final user. The grand total of the matrix—\$1,324.2 billion—is on the last page of the table, at the bottom right.

Viewing the rows of the table is useful when the market for, or the destination of, a particular capital goods commodity is examined. For example, row 133 shows the distribution of heavy duty trucks (336120). Total sales of heavy duty trucks in producers' prices were \$13.8 billion (see line 133, in the last column). Truck transportation (4840) was the largest using industry, with total purchases and leases of \$4.0 billion. The next largest using industry was "new and maintenance and repair construction" (2300), with total purchases and leases of \$2.3 billion.

Viewing the columns of the table shows the mix of goods and services that compose the new investment that is used by an industry and the trade and transportation margins that are expended to deliver these goods and services to the final user. For example, the column for pharmaceutical and medicine manufacturing (3254) shows total new equipment, software, and structures amounting to \$5.5 billion. Two of the largest components of new investment in this industry were structures: New industrial plants construction (233621) was \$1.1 billion, and new office building construction (233722) was \$0.3 billion.

**The capital flow table by NIPA category.** Each of the 51 rows in table 2 represents a NIPA category of investment in equipment, software, or structures. The table contains 28 categories of equipment and software and the 23 categories of structures.

The rows in table 2 are aggregates of the I-O commodities in table 1. These rows correspond to the categories presented in tables 5.6 and 5.8 in the NIPAs, which show private fixed investment in structures and in equipment and software. The table is in purchasers' prices, which are the values of market transactions. Purchasers' prices include the values of wholesale trade and retail trade margins and transportation costs. The relationship between the NIPA categories and the I-O commodities for two of the NIPA categories is summarized in table A.<sup>7</sup>

7. For a complete version of this table, see appendix D in Lawson, et al. (2002, 50–51).

**Table A. Input-Output Commodity Composition of Computers and Peripheral Equipment and Communication Equipment in Producers' and Purchasers' Prices, 1997 Benchmark Input-Output Accounts**  
[Millions of dollars]

NIPA line <sup>1</sup>	Input-output commodity	Producers' prices	Transportation costs	Wholesale and retail margins	Purchasers' prices
4	<b>Computers and peripheral equipment</b>				
	Total.....	63,281	722	17,847	81,850
3341	Computers and peripheral equipment.....	59,374	722	17,514	77,611
5415	Computer systems design and related services.....	3,987	.....	.....	3,987
S004	Scrap, used and secondhand goods.....	-80	.....	333	253
6	<b>Communication equipment</b>				
	Total.....	72,908	413	6,787	80,107
3341	Computers and peripheral equipment.....	59	3	7	70
334A	Audio, video, and communication equipment.....	52,196	277	5,472	57,945
3345	Electronic instruments.....	10,750	128	1,281	12,159
3359	Other electrical equipment and components.....	245	4	26	275
3364	Aerospace products and parts.....	81	.....	.....	81
5133	Telecommunications.....	5,532	.....	.....	5,532
5413	Architectural and engineering services.....	4,092	.....	.....	4,092
S004	Scrap, used and secondhand goods.....	-47	.....	.....	-47

1. The line numbers correspond to the line numbers in NIPA "Table 5.8 Private Fixed Investment in Equipment and Software by Type."  
NIPA National income and product accounts

In table 2, investment in equipment and software in each industry is clearly distinguished from investment in structures. In each section of this table, a row shows the total investment in equipment and software by industry and the total investment in structures. Total investment by NIPA category is shown in the last column of the table. The total investment in new equipment and software in 1997 was \$775.8 billion, and the total investment in structures was \$548.4 billion. Like the rows in table 1, the rows in table 2 show the market for, or distribution of, new investment for a given NIPA category, and the columns show the components of new investment for a given using industry.

### A guided tour

This tour of the capital flow table is intended to provide guidance on how to read the table. It should also serve to indicate how the table is often used. It starts by presenting an aggregated summary version of the table and pointing out some of the larger investment flows and then explores some more detailed views of the table.

Table B presents the capital flow table by NIPA categories as rows to 11 aggregate using sectors.<sup>8</sup> The flows larger than \$10.0 billion have been highlighted. The row totals at the right side of the table indicate that the largest flows of new investment in equipment and

8. The following aggregated industries are presented: Natural resources and mining (NAICS 11,21), construction (23), manufacturing (31–33), trade (42, 44, 45), transportation and utilities (22, 48, 49), information (51), financial activities (52, 53), professional and business services (54–56), education and health services (61, 62), leisure and hospitality (71, 72), and other services (81).

software were from software (\$98.0 billion) and computers and peripheral equipment (\$81.6 billion). The column totals for the equipment and software section of the table indicate that the largest using industries of equipment and software were manufacturing (\$161.9 billion) and financial activities (\$114.5 billion). The largest flow in the table was from autos to the financial activities sector (\$49.5 billion). Table 2 shows that most of this flow from autos (\$42.8 billion) goes to the automotive equipment rental and leasing industry (5321). In table B, the flow of communication equip-

ment to the information sector (\$46.0 billion) is also large. Table 2 shows that most of this flow is split between telecommunications (5133, at \$33.7 billion), cable networks and program distribution (5132, at \$8.6 billion), and radio and television broadcasting (5131, at \$2.2 billion).

In table B under structures, nearly 60 percent (\$316.1 billion) of the total flows from new structures are to financial activities, which includes the real estate and owner-occupied housing industries. The largest flow is from "single-family structures, nonfarm" to

**Table B. Aggregate Distribution of New Equipment, Software, and Structures to Using Industries by NIPA Category, 1997**

[Millions of dollars at purchasers' prices]

NIPA line	Industry	Natural resources and mining	Construction	Manufacturing	Trade	Transportation and utilities	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services	Total
<b>Equipment and software <sup>1</sup></b>													
4	Computers and peripheral equipment.....	1,653	1,813	14,610	8,640	5,659	8,075	19,435	13,588	5,430	1,303	1,392	81,598
9	Office and accounting equipment.....	18	93	252	1,191	273	231	2,798	389	166	223	87	5,721
5	Software.....	2,082	3,501	25,206	5,748	8,209	11,560	14,401	20,563	5,057	641	1,020	97,988
6	Communication equipment.....	289	1,859	1,877	4,127	16,442	46,019	2,621	4,247	1,526	702	445	80,154
7a	Nonmedical instruments and related equipment.....	1,582	597	9,660	267	1,851	295	15	1,209	1,043	20	16	16,555
8	Photocopy and related equipment.....	172	350	1,671	1,448	443	975	1,655	2,666	2,255	131	874	12,640
11	Fabricated metal products.....	762	874	3,163	1,170	3,069	118	274	436	132	448	157	10,603
12	Engines and turbines.....	533	104	501	80	2,231	62	33	109	40	50	11	3,754
13	Metalworking machinery.....	274	245	27,354	858	366	17	32	1	.....	1	395	29,543
14	Special industry machinery, n.e.c.....	12	91	29,230	475	646	612	81	961	68	367	308	32,851
15	General industrial, including materials handling, equipment.....	2,714	3,622	25,209	3,251	5,249	500	370	1,022	372	241	745	43,295
16	Electrical transmission, distribution, and industrial apparatus.....	386	724	4,958	576	9,616	1,993	190	372	199	133	212	19,359
7b	Medical instruments and related equipment.....	3	24	65	54	11	4	65	56	15,608	3	.....	15,893
7c	Electromedical equipment.....	.....	.....	40	4	.....	.....	.....	3	10,611	.....	1	10,659
19	Autos.....	664	3,104	2,713	6,637	2,646	2,049	49,548	4,821	703	1,467	797	75,149
20	Aircraft.....	379	11	353	22	13,822	18	189	160	87	7	1	15,049
21	Ships and boats.....	535	3	6	.....	1,716	2	276	9	4	44	35	2,630
22	Railroad equipment.....	548	.....	336	.....	4,879	.....	16	.....	.....	.....	.....	5,779
24	Furniture and fixtures.....	338	794	3,724	5,995	1,479	2,479	4,101	3,543	1,882	4,594	1,110	30,039
26	Agricultural machinery, including tractors <sup>2</sup> .....	15,405	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15,405
27	Construction machinery, including tractors <sup>2</sup> .....	3,752	10,437	2,115	757	1,028	568	73	380	29	14	122	19,275
28	Mining and oilfield machinery.....	4,329	.....	.....	.....	71	.....	.....	.....	.....	.....	.....	4,400
29	Service industry machinery.....	162	523	1,540	2,613	602	164	721	942	1,397	5,599	654	14,917
30	Electrical equipment, n.e.c.....	167	99	811	288	323	805	274	307	172	247	174	3,667
31	Other nonresidential equipment.....	2,266	439	2,482	5,434	1,270	675	6,053	3,588	2,244	3,635	998	29,084
18a	Light trucks.....	13,100	23,294	2,537	7,415	8,265	3,815	4,338	2,132	698	540	3,457	69,591
18b	Trucks, other than light, buses and trailers.....	2,494	3,367	1,491	2,959	11,210	488	728	591	144	367	151	23,990
33	Residential (landlord durables).....	.....	.....	.....	.....	.....	.....	6,217	.....	.....	.....	.....	6,217
	<b>Total new equipment and software.....</b>	<b>54,619</b>	<b>55,968</b>	<b>161,904</b>	<b>60,009</b>	<b>101,376</b>	<b>81,524</b>	<b>114,504</b>	<b>62,095</b>	<b>49,867</b>	<b>20,777</b>	<b>13,162</b>	<b>775,805</b>
<b>Structures <sup>3</sup></b>													
5	Industrial buildings.....	3,045	879	25,471	42	7,718	592	3	.....	51	10	.....	37,811
6	Commercial buildings.....	106	541	1,887	38,616	3,844	4,033	18,058	7,413	4,738	6,771	3,199	89,206
9	Religious buildings.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,623	5,623
10	Educational buildings.....	.....	.....	.....	.....	.....	.....	.....	.....	9,308	517	.....	9,825
11	Hospital and institutional buildings.....	.....	.....	.....	.....	.....	.....	.....	.....	15,097	.....	.....	15,097
12	Other nonresidential buildings, excluding farm.....	774	.....	.....	.....	640	3,130	.....	170	143	20,184	455	25,496
14	Railroads.....	.....	.....	.....	.....	4,922	.....	.....	.....	.....	.....	.....	4,922
15	Telecommunications.....	.....	.....	.....	.....	.....	12,302	.....	.....	.....	.....	.....	12,302
16	Electric light and power.....	.....	.....	.....	.....	11,214	.....	.....	.....	.....	.....	.....	11,214
17	Gas.....	.....	.....	.....	.....	6,481	.....	.....	.....	.....	.....	.....	6,481
18	Petroleum pipelines.....	9	.....	.....	.....	960	.....	.....	.....	.....	.....	.....	969
19	Farm nonresidential structures.....	3,815	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,815
21a	Petroleum and natural gas, wells.....	19,925	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19,925
21b	Petroleum and natural gas, exploration.....	1,045	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,045
22	Other mining construction.....	1,417	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,417
23	Other nonresidential nonbuilding structures.....	193	126	.....	.....	2,710	.....	1,287	968	.....	411	.....	5,695
30a	Single-family structures, nonfarm.....	.....	.....	.....	.....	.....	.....	172,282	.....	.....	.....	.....	172,282
30b	Single-family structures, farm.....	.....	.....	.....	.....	.....	.....	1,449	.....	.....	.....	.....	1,449
31	Multifamily structures.....	.....	.....	.....	.....	.....	.....	22,883	.....	.....	.....	.....	22,883
32	Manufactured homes.....	.....	1	.....	.....	.....	.....	13,863	.....	.....	.....	.....	13,864
33	Improvements.....	.....	.....	.....	.....	.....	.....	80,824	.....	.....	.....	.....	80,824
34	Other.....	.....	.....	.....	.....	.....	.....	.....	.....	787	3	.....	790
35	Brokers' commissions on the sale of new residential structures.....	.....	.....	.....	.....	.....	.....	5,480	.....	.....	.....	.....	5,480
	<b>Total new structures.....</b>	<b>30,329</b>	<b>1,547</b>	<b>27,358</b>	<b>38,658</b>	<b>38,489</b>	<b>20,057</b>	<b>316,129</b>	<b>8,551</b>	<b>30,124</b>	<b>27,896</b>	<b>9,277</b>	<b>548,415</b>
	<b>Total new equipment, software, and structures.....</b>	<b>84,948</b>	<b>57,515</b>	<b>189,262</b>	<b>98,667</b>	<b>139,865</b>	<b>101,581</b>	<b>430,633</b>	<b>70,646</b>	<b>79,991</b>	<b>48,673</b>	<b>22,439</b>	<b>1,324,220</b>

1. The line numbers correspond to the line numbers in NIPA "Table 5.8. Private Fixed Investment in Equipment and Software by Type."

2. Lines 26 and 27 include tractors, which is a separate line in the NIPAs.

3. The line numbers correspond to the line numbers in NIPA "Table 5.6. Private Fixed Investment in Structures by Type."

NOTE: Line numbers followed by a letter indicate that detail has been added to the NIPA line.

n.e.c. Not elsewhere classified

NIPA National income and product accounts

“real estate and owner-occupied housing” (5310) of \$172.3 billion.<sup>9</sup> Many of the other types of structures are specialized and flow to only one or two industries. The only types that are widespread are industrial buildings and commercial buildings. The largest of these flows are commercial buildings to trade (\$38.6 billion) and industrial buildings to manufacturing (\$25.5 billion).

Viewing the summary table is a first step to understanding the composition of capital spending in the U.S. economy. However, for many business and policy-makers, a more detailed view of the data is helpful. For example, a manufacturer of machine tools may use the capital flow table and industry forecasts of investment to project the market for machine tools. Table 1 includes two rows for machine tools—metal cutting machine tools (333512) and metal forming machine tools (333513). Table C shows the top 15 users of machine tools ranked on the basis of the sum of these two rows. This table shows that the machine tool industry is quite dependent on the investment spending of the motor vehicle industries. Nearly 30 percent of the total sales of machine tools are accounted for by motor vehicle body, trailer and parts manufacturing (17.5 percent) and motor vehicle manufacturing (12.2 percent).

**Table C. Top 15 Major Users of Machine Tools Ranked by 1997 Capital Flows**

Input-output industry code	Industry	Machine tool use (millions of dollars)	Share of use by all industries (percent)
336A	Motor vehicle body, trailer, and parts manufacturing .....	1,465	17.5
332B	Other fabricated metal product manufacturing .....	1,121	13.4
3361	Motor vehicle manufacturing.....	1,020	12.2
3364	Aerospace product and parts manufacturing .....	392	4.7
3321	Forging and stamping.....	230	2.7
4200	Wholesale trade.....	222	2.6
8111	Automotive repair and maintenance.....	208	2.5
3339	Other general purpose machinery manufacturing.....	205	2.4
331A	Iron and steel mills and manufacturing from purchased steel .....	186	2.2
3344	Semiconductor and electronic component manufacturing.....	175	2.1
331B	Nonferrous metal production and processing.....	169	2.0
3335	Metalworking machinery manufacturing.....	166	2.0
3331	Agriculture, construction, and mining machinery.....	156	1.9
3323	Architectural and structural metals manufacturing .....	155	1.8
3315	Foundries.....	154	1.8
	<b>Total .....</b>	<b>8,381</b>	

Table 1 is more useful for this sort of market analysis. It offers greater commodity detail and shows data in producers' prices, a valuation that is more relevant to a producer who is projecting sales. Data in purchasers' prices shown in table 2 also include the transportation costs and trade margins required to bring those goods to market.

9. This flow may seem out of place in a table that presents flows to business investment. However, in the NIPAs the provision of owner-occupied housing services is treated as a business, and the I-O framework is consistent in this respect with the NIPAs. As part of the comprehensive NIPA revision, to be released in December 2003, the services of nonfarm and farm owner-occupied housing provided to the household and institutions sector will be reclassified. The treatment of the transactions associated with owner-occupied housing as business-type transactions will be retained, so this flow will continue to be an important one in the capital flow table.

The capital flow table can also be used to determine the intensity of usage of a given commodity or group of commodities by all industries such as information and communication technology (ICT). Table D shows the top 20 users of ICT ranked according to the shares of total investment in equipment and software that were accounted for by the sum of rows 1 to 4 in table 2 (computers and peripheral equipment, office and accounting equipment, software, and communication equipment). The most striking aspect of this table is that only one of the top 20 industries—computer and peripherals equipment (3341)—is in the manufacturing sector. Of the top 10 industries, 5 are in the information sector (51), and 4 are in the financial activities sector (52, 53).

**Table D. Top 20 Information-and-Communications-Technology-Intensive Industries Ranked by 1997 ICT Share of Total Equipment and Software Investment**  
[Millions of dollars unless otherwise specified]

Input-output industry code	Industry	ICT use (1)	Total equipment and software (2)	ICT share (percent) (3) = (1)/(2)
5132	Cable networks and program distribution.....	10,381	11,434	91
5415	Computer systems design and related services .....	7,324	8,184	89
5112	Software publishers.....	2,593	2,944	88
5250	Funds, trusts, and other financial vehicles .....	314	358	88
5142	Data processing services.....	1,864	2,151	87
5330	Lessors of nonfinancial intangible assets .....	178	211	84
5133	Telecommunications.....	44,979	54,527	82
52A0	Monetary authorities, credit intermediation, and related activities.....	19,089	23,832	80
5131	Radio and television broadcasting .....	2,918	3,803	77
5230	Securities, commodity contracts, investments.....	5,006	6,558	76
5413	Architectural and engineering services.....	9,352	12,615	74
5615	Travel arrangement and reservation services .....	407	551	74
5412	Accounting and bookkeeping services.....	2,493	3,403	73
4860	Pipeline transportation .....	2,253	3,172	71
5500	Management of companies and enterprises.....	3,814	5,567	69
5416	Management and technical consulting services .....	2,116	3,136	67
5141	Information services.....	778	1,156	67
3341	Computer and peripheral equipment manufacturing.....	2,535	3,914	65
5417	Scientific research and development services .....	2,099	3,291	64
5613	Employment services.....	798	1,269	63
	<b>Total .....</b>	<b>265,461</b>	<b>775,805</b>	<b>34</b>

ICT Information and communications technology

## Uses of the Capital Flow Table

The capital flow table is used by academic, business, and government economists in a variety of analytical and statistical contexts. For any analysis that requires knowledge of the distribution of capital by type or the investment composition of an industry, the capital flow table provides the only framework for such detailed information. The capital flow table is also used indirectly in many types of analysis, as a basis for the construction of other data sets, and to form variables that are used in econometric studies of investment and labor productivity.

### Analytical uses

**Market analysis.** Business economists use the information in the capital flow table to analyze which industries use specific capital goods, such as machine

tools, tractors, and trucks. This analysis is most useful in combination with information from the I-O use table, which also identifies intermediate flows to other industries, consumers, government, and exports.

**Impact analysis.** The capital flow table can be used to estimate the ripple effects of a change in the use of capital by one industry on the demand for commodities produced by all industries. The capital flow table, converted to coefficients, translates the specified change in the level of capital use by an *industry* to changes in the purchases or the leases of capital by *commodity*. These changes can then be multiplied by the I-O total requirements matrix in order to calculate the changes in domestic output and imports. For example, an analysis of the effect of a change in investment tax policy on investment by industry would use an econometric equation that incorporates the effects of the tax policy change into the capital cost measure. The capital flow table and the total requirements matrix can then be used to translate the changes in capital use by industry to changes in final demand.

**Forecasting.** An econometric I-O model could incorporate the capital flow table and I-O use table in order to forecast future demands for capital goods by commodity related to investment, exports, consumption, and government spending. In this context, the capital flow table is converted first to a matrix of coefficients and this coefficient matrix translates the investment spending by industry to the final demand by commodity. Final demand is then used to calculate total requirements, which are satisfied by domestic production or imports.

**Productivity analysis.** Many studies in the late 1990s sought to determine the relationship between the faster productivity growth that began in the mid-1990s to the significant increase in spending on infor-

mation and communication technology (ICT). The capital flow table identifies the share of ICT in total equipment spending.<sup>10</sup> Bureau of Labor Statistics (BLS) capital service flows data are disaggregated into IT and non-IT components using information from the capital flow table. A series of capital flow tables can be used to study multifactor productivity in an integrated I-O framework, where capital is treated as an intermediate good in the long run.<sup>11</sup>

**Energy and environmental analysis.** Most energy uses in the economy can be associated with certain types of equipment and structures. Detailed estimates of capital stock in place by type of asset combined with measures of industry production levels are used in energy I-O analysis to estimate requirements for electricity, refined petroleum products, and natural gas. The I-O use table provides estimates of energy use by type of product, and more detailed energy I-O databases have been constructed. Models that track emissions for environmental analysis often use forecasts of fossil fuel use by type as an important determinant.

**Research and development and embodiment.** Like the I-O use table, the capital flow table can be used to construct matrices of technology flows that trace the productivity-enhancing effects of research and development expenditures (R&D) from producing industries to using industries. For example, R&D that leads to more efficient machine tools or computers should have productivity-enhancing spillovers to industries that use these goods.<sup>12</sup> This concept is related to the idea of capital-embodied or investment-specific technical change, and the derivation of quality-adjusted prices for capital goods.<sup>13</sup>

### Statistical uses

**Fixed assets.** The capital flow table is an important source for the derivation of investment by asset by industry in the BEA fixed assets estimates.<sup>14</sup> The fixed assets investment data are available for about 60 private

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10. See Oliner and Sichel (2000), Jorgenson and Stiroh (2000), McGuckin and Stiroh (2002), Wilson (2002), and Triplett and Bosworth (2003).

11. This type of study is described by Denison (1989) and by Cas and Rymes (1991).

12. Scherer (2003) describes using an I-O table and a capital flow table to develop "carrier" matrices, which carry R&D from originating industries to using industries. His analysis indicates that 44.8 percent of all patents are associated with capital goods products sold to other industries.

13. Jorgenson (1966) is a classic presentation of the embodiment question. Hulten (1992) deals with embodied technical change in different vintages of capital and relates his analysis to the quality adjustments of capital goods prices. Greenwood, Hercowitz, and Krusell (1997) suggest that quality change in capital goods explains a major part of postwar U.S. growth. Wilson (2003) makes use of capital flow data to investigate the rate of embodied technical change.

14. See U.S. Bureau of Economic Analysis (2003) for the methodology used in deriving the investment by industry series. The derivation of the investment controls by industry, investment controls by asset, and the use of the capital flow table to obtain the distribution by type of asset and industry is covered on pages M-13 to M-25. For the most recent data release, see Herman (2001, 27-38).

industries on an SIC basis for 1947 to 2001. In contrast to the capital flow table, the investment data for equipment, software, and structures in the fixed assets estimates are on an ownership basis. This distinction is most significant for equipment purchased for lease to others under operating leases. The most important asset types affected by this treatment of operating leases are autos, trucks and truck trailers, computers, communication equipment, construction equipment, and aircraft. The fixed assets estimates also include data on capital stocks by industry and by asset, which are the basis for the NIPA estimates of consumption of fixed capital (economic depreciation).

**Investment deflators.** Aggregate deflators for equipment, software, and structures by industry are used in econometric studies of investment in determining the user cost of capital.<sup>15</sup> A column of the capital flow table can be used to derive the weights for the calculation of a fixed-weighted, or Fisher, price index of investment for each industry when the prices to be aggregated are the asset-specific prices of each row of the table.

**Capital stocks and capital services.** Asset-specific service lives can be used with capital flow information on the composition of investment by industry to derive capital stocks by industry by asset type. This use is especially important for estimating stocks of information technology equipment, which have short obsolescence-driven service lives. Different service lives by asset type also imply different average vintages of capital by industry because the compositions of asset types differ significantly.<sup>16</sup> As mentioned earlier, BLS derives data on IT and non-IT capital services from BEA data.

### Definitions and Conventions

This section summarizes the treatment of several conceptual topics arising in the compilation of the capital flow table. First, the distinction between the valuation in producers' and the valuation in purchasers' prices is explained. The relationship between the row sum of the capital flow table and the private fixed investment column in the I-O use table is particularly important and is addressed next. Finally, issues relating to the industry classification are discussed, especially differences resulting from the adoption of NAICS and the classification on a user basis.

**Valuation in producers' and purchasers' prices.** The capital flow table is presented in producers' prices (table 1) and in purchasers' prices (table 2). Producers'

prices exclude distribution costs (wholesale and retail trade margins and transportation costs), but they include excise taxes collected by producers.

Like the I-O use table, table 1 shows commodities flowing directly to users, not through intermediary industries, such as transportation or trade. Transportation costs and trade margins are shown as purchases by the using industry and are included in their respective rows. In contrast, the values of the flows in table 2 include transportation costs and trade margins.

### The capital flow table and the I-O use table

The capital flow table can be viewed as an expansion or an elaboration of the private fixed investment in the I-O use table. This relationship is illustrated in chart 1. The use table is aggregated to a few major commodities and industries in the upper panel of this chart, and the capital flow table is shown in the lower panel. The rows of the use table show commodities, and the columns show either the purchasing industries or final use categories. Total commodity output (the row total) consists of the sum of purchases of commodities by all industries and final demand. Total industry output (the column total) consists of the sum of purchases of commodities and value added for a given industry. Equipment, software, and structures used for capital investment are combined in this table and shown as sales to the final demand category of private fixed investment, but they are not distinguished by using industry.

The following criteria are used to determine if commodities are private fixed investment in equipment: The commodity must have a useful life of more than a year; it must not be an integral part of a structure or be included in the value of that structure; and it would be charged to a capital account under standard accounting procedures. New structures are defined as private original erections, additions, and alterations that increase the stock of facilities and that are valued on a "put-in-place basis." They include new dwellings and factories; nonbuilding facilities, such as railroads and pipelines; and telephone and telegraph facilities.

The definition of private fixed investment in the capital flow table differs slightly from that of the use table. Unlike the use table, the capital flow table presents only investment in new equipment, software, and structures; it does not show purchases of used assets. The structures portion of the table includes real estate commissions on the sales of new residential structures, not on the sales of used residential and nonresidential structures. In contrast, the private fixed investment column of final demand in the use table includes scrap, net purchases of used goods, and real estate brokers' commissions on the sales of new and

15. See Jorgenson (1996) for the derivation of the most common neoclassical measure of the user cost of capital.

16. Wilson (2003) applies the 1992 capital flow table to track vintages of investment.

Chart 1. The Input-Output Use Table and the Capital Flow Table

Use Table. Commodities Used by Industries and Final Uses

	INDUSTRIES <sup>1</sup>						FINAL USE (GDP)						TOTAL COMMODITY OUTPUT		
	Natural resources and mining	Construction	Manufacturing	Trade, transportation, and utilities	Information	Services	Total intermediate use	Personal consumption expenditures	Private fixed investment	Change in business inventories	Exports of goods and services	Imports of goods and services		Government consumption expenditures and gross investment	GDP
<b>COMMODITIES<sup>1</sup></b>	Natural resources and mining														
	Construction														
	Manufactured products														
	Trade, transportation, and utilities														
	Information														
	Services														
	Noncomparable imports														
	Total intermediate inputs														
<b>VALUE ADDED</b>	Compensation of employees														
	Indirect business tax and nontax liability														
	Other value added <sup>2</sup>														
<b>TOTAL INDUSTRY OUTPUT</b>															

Capital Flow Table. Distribution of New Equipment and Structures to Using Industries

	INDUSTRIES <sup>1</sup>					Private fixed investment	
	Natural resources and mining	Construction	Manufacturing	Trade, transportation, and utilities	Information		Services
<b>COMMODITIES<sup>1</sup></b>	Natural resources and mining						
	Construction						
	Manufactured products						
	Trade, transportation, and utilities						
	Information						
	Services						
	Noncomparable imports						
<b>TOTAL INDUSTRY USE OF NEW EQUIPMENT AND STRUCTURES</b>							

 New private fixed investment by type of new commodity  
 Distribution of new private fixed investment across industries

1. The input-output (I-O) accounts use two classification systems, one for industries and another for commodities, but both generally use the same I-O codes and titles; for more information see "Appendix A. Industries in the 1997 Benchmark Input-Output Accounts," in "Benchmark Input-Output Accounts of the United States, 1997," SURVEY OF CURRENT BUSINESS, 82 (December 2002).

2. "Other value added" consists of the following components of gross domestic income: Consumption of fixed capital, net interest, proprietors' income, corporate profits, rental income of persons, business transfer payments, and "subsidies less current surplus of government enterprises."

used nonresidential structures and used residential structures.<sup>17</sup>

Table E shows the relationship between private fixed investment in the use table and in the capital flow table. For example, in 1997, the total for autos in the column for the capital flow table is \$75.1 billion, representing the purchases of new autos. In the private fixed investment column of the use table, sales of used autos from the business sector amounted to \$44.5 billion, mostly sales to personal consumption from automotive equipment rental and leasing (5321). This amount enters the fixed investment column of the use table as a negative number (-\$30.6 billion), so it reduces the total value of net purchases of autos in that column to a value of \$44.5 billion. Because net sales of used autos are not included in the capital flow table, the total value of autos in the capital flow table is \$30.6 billion larger than that in the use table.

17. Private fixed investment is a component of gross domestic product (GDP), which is the market value of new goods and services produced by labor and property in the United States. GDP excludes transactions in used goods because they are not part of current production. These assets are purchased from private fixed investment by persons, government, and foreigners. The sale is recorded as a negative entry in the private fixed investment column and as a corresponding positive entry in the column for personal consumption, government, or exports, so the net contribution to GDP is zero. However, scrap contributed -\$11.5 billion to GDP in 1997 and had total commodity output of \$5.5 billion. The total output of scrap represents scrap generated in the intermediate sector, and the source industries of this scrap are indicated in the make table.

## Classification

The benchmark I-O accounts for 1997 were published in two forms. In the "standard" make and use tables, all the primary and secondary products that are produced by an industry are assigned to that industry. In the "supplementary" make and use tables, some secondary products are redefined to the industries in which these products are primary; in these tables, own-account construction is redefined to the construction industry, and own-account software is redefined to the software publishing sector.<sup>18</sup> The capital flow table is compiled on the same industry basis as the "standard" table, so secondary products are not redefined.

**NAICS.** For the first time, the capital flow table is based on the 1997 North American Industry Classification System (NAICS).<sup>19</sup> All the earlier tables were based on various versions of the Standard Industrial Classification (SIC). As a result, the comparability between the 1997 capital flow table and earlier tables is limited.

The capital flow table published in table 1 has 180 rows, representing 138 commodity goods and services

18. Own-account new construction is new construction work performed by, and for, establishments classified according to NAICS in nonconstruction industries. When the source data do not include this construction, an estimate is made and added to the industry control.

19. See Lawson, et al. (2002) for a more complete description of NAICS, the treatment of auxiliaries, and the implications for the I-O accounts.

**Table E. Reconciliation of Private Fixed Investment by NIPA Category in the Input-Output Use Table and in the Capital Flow Table, 1997**

[Millions of dollars at purchasers' prices]

NIPA line <sup>1</sup>	Industry	Input-output use table	Reconciliation items	Capital flow table	NIPA line <sup>1</sup>	Industry	Input-output use table	Reconciliation items	Capital flow table
	<b>Private purchases of structures</b> .....	<b>584,325.9</b>	<b>-35,910.8</b>	<b>548,415.1</b>		<b>Private purchases of equipment and software</b> .....	<b>735,582.7</b>	<b>40,222.0</b>	<b>775,804.7</b>
5	Industrial buildings .....	37,811.0	.....	37,811.0	4	Computers and peripheral equipment .....	81,850.3	-252.7	81,597.6
6	Commercial buildings .....	89,206.5	.....	89,206.5	5	Software .....	97,988.3	.....	97,988.3
9	Religious buildings .....	5,623.0	.....	5,623.0	6	Communication equipment .....	80,107.0	47.1	80,154.1
10	Educational buildings .....	9,825.0	.....	9,825.0	7a	Nonmedical instruments and related equipment .....	16,609.9	-54.6	16,555.3
11	Hospital and institutional buildings .....	15,097.0	.....	15,097.0	7b	Medical instruments and related equipment .....	15,874.5	18.6	15,893.1
12	Other nonresidential buildings, excluding farm buildings .....	25,496.0	.....	25,496.0	7c	Electromedical equipment .....	10,659.1	.....	10,659.1
14	Railroads .....	4,922.0	.....	4,922.0	8	Photocopy and related equipment .....	12,704.6	-63.9	12,640.7
15	Telecommunications .....	12,302.0	.....	12,302.0	9	Office and accounting equipment .....	5,788.7	-67.6	5,721.1
16	Electric light and power .....	11,214.0	.....	11,214.0	11	Fabricated metal products .....	10,602.2	.....	10,602.2
17	Gas .....	6,481.0	.....	6,481.0	12	Engines and turbines .....	3,753.6	.....	3,753.6
18	Petroleum pipelines .....	969.0	.....	969.0	13	Metalworking machinery .....	29,762.4	-218.7	29,543.7
19	Farm nonresidential structures .....	3,815.0	.....	3,815.0	14	Special industry machinery, n.e.c. ....	32,949.9	-98.4	32,851.5
21a	Petroleum and natural gas, wells .....	19,924.3	.....	19,924.3	15	General industrial, including materials handling, equipment .....	44,388.6	-1,090.9	43,297.7
21b	Petroleum and natural gas, exploration .....	1,045.4	.....	1,045.4	16	Electrical transmission, distribution, and industrial apparatus .....	19,358.0	.....	19,358.0
22	Other mining construction .....	1,417.0	.....	1,417.0	18a	Light trucks .....	61,888.6	7,702.0	69,590.6
23	Other nonresidential nonbuilding structures .....	5,695.0	.....	5,695.0	18b	Trucks, other than light, buses and trailers .....	24,041.6	-51.3	23,990.3
24	Brokers' commissions on sale of nonresidential structures .....	2,017.0	-2,017.0	.....	19	Autos .....	44,502.5	30,646.4	75,148.9
25	Net purchases of used structures .....	-218.0	218.0	.....	20	Aircraft .....	15,412.3	-363.7	15,048.6
30a	Single-family structures, nonfarm .....	172,282.0	.....	172,282.0	21	Ships and boats .....	2,710.8	-81.7	2,629.1
30b	Single-family structures, farm .....	1,449.0	.....	1,449.0	22	Railroad equipment .....	5,820.8	-41.5	5,779.3
31	Multifamily structures .....	22,883.0	.....	22,883.0	24	Furniture and fixtures .....	30,152.6	-114.0	30,038.6
32	Manufactured homes .....	13,863.9	.....	13,863.9	26	Agricultural machinery, including tractors <sup>2</sup> .....	16,302.6	-897.0	15,405.6
33	Improvements .....	80,824.0	.....	80,824.0	27	Construction machinery, including tractors <sup>2</sup> .....	19,637.2	-362.4	19,274.8
34	Other .....	790.0	.....	790.0	28	Mining and oilfield machinery .....	3,629.9	769.5	4,399.4
35	Brokers' commissions on sale of residential structures .....	41,522.0	-36,042.0	5,480.0	29	Service industry machinery .....	14,956.8	-39.4	14,917.4
36	Net purchases of used structures, residential .....	-1,930.2	1,930.2	.....	30	Electrical equipment, n.e.c. ....	3,651.7	14.2	3,665.9
					31	Other nonresidential equipment .....	29,036.6	48.0	29,084.6
					32	Less: sale of equipment scrap, excluding autos .....	-4,774.0	4,774.0	.....
					33a	Furniture, residential .....	342.5	.....	342.5
					33b	Household appliances, residential .....	4,124.1	.....	4,124.1
					33c	Floor coverings, residential .....	1,550.3	.....	1,550.3
					33d	Communication equipment, residential .....	198.7	.....	198.7

1. The line numbers correspond to the line numbers in "Table 5.6. Private Fixed Investment in Structures by Type" and in "Table 5.8. Private Fixed Investment in Equipment and Software by Type" in the NIPAs. Line numbers followed by a letter indicate that detail has been added to the NIPA line.

2. Includes tractors, which is a separate line in the NIPAs.  
n.e.c. Not elsewhere classified  
NIPAs National income and product accounts



that compose equipment investment, 36 types of structures, and 6 transportation and trade categories.<sup>20</sup> It is organized by four-digit NAICS columns, and six-digit NAICS rows. The columns, or using industries, in the table have much more detail in the services industries than in previous tables. Underlying the published commodity-level detail are data at a higher level of detail that are classified by BEA with detailed commodity codes. For example, there are 735 detailed commodities that flow to equipment and software investment.

NAICS also recognizes the information sector, which is a combination of industries that were previously classified in manufacturing, services, and communication in the SIC. This new sector contains many significant users of computers and other high-tech capital goods.

A NAICS innovation is the separate classification of auxiliary establishments, recognizing a new industry, “management of companies and enterprises” (NAICS 5511). Most of the establishments in this industry are central administrative offices. Most of the other auxiliaries are in “professional, scientific, and technical services” (NAICS 54) and in “administrative and support and waste management and remediation services” (NAICS 56).

**User basis.** The capital flow table is prepared with flows allocated to using industries. The difference between this method of allocation and allocation to owning industries occurs when new capital is leased by one industry from another. The difference between the user basis and the owner basis is especially significant for airplanes, automobiles, computers, railroad cars, and structures.<sup>21</sup>

For many applications of the capital flow table, clas-

20. The structures categories are rows 5 to 40. These are classified by type of activity rather than by NAICS codes, which are organized by types of contractors or construction firms. The transportation costs and trade margins are in rows 168 to 173 and include margins for wholesale trade and retail trade, and costs of air transportation, rail transportation, water transportation and truck transportation.

21. The fixed assets estimates show investment and capital stocks on an owner basis. These data are derived by first converting the investment flows to a “proxy” capital flow table on an owner basis.

#### Availability of Capital Flow Data

The capital flow data presented in this article are also available on BEA’s Web site at <[www.bea.gov](http://www.bea.gov)>. Under “Industry,” click on “Capital Flow,” and then click on the XLS file for “Capital flow table for 1997” to open an Excel spreadsheet that contains a table of contents, a sheet of documentation, commodity and industry sector lists, and the capital flow table by commodity and by NIPA category. Aggregated 22-industry versions of the table are also available for both I-O commodities and NIPA categories.

sification on the user basis is more appropriate. For example, in market analysis, the investment requirements of the ultimate users of each capital good determine its demand. For forecasting purposes, the distribution of use may be more stable than ownership, which is often based on institutional or financial considerations rather than on technical considerations. Finally, the techniques used to allocate equipment to industries are more easily justified with a table on a user basis; for example, the use of capital in each industry is probably more related to patterns of occupational employment than a table on an owner basis.

In the capital flow table, both purchased and leased capital commodities are included as investment by the using industry. However, equipment that is rented is assigned to the owning (lessor) industry, and if the lessee is a government agency or a person, the capital flow table shows the commodity in the lessor industry. For example, the auto rental industry is shown as the largest user of autos, which serve as the primary capital for this industry.

Care must be taken when the capital flow table is used with the I-O table for impact analysis or productivity studies. Lease payments are shown in the I-O table as intermediate purchases of automotive equipment rental and leasing (5321) and machinery and equipment rental and leasing (5324) by the using industries. If the capital flow table is used to estimate capital services of using industries, the leased capital services may be double-counted.

### Methodology

The capital flow table is prepared in four major steps. First, detailed information on total spending on equipment, software, and structures by commodity is compiled from the 1997 benchmark I-O use table. Second, industry control totals are derived—one set of control totals for equipment and software and one set for structures. Third, for each commodity, expenditures are then distributed to using industries, largely on the basis of distributions of industry employment by occupation. Fourth, the table is balanced to the control totals and evaluated; the control totals or the industry distributions may then be revised, and the table rebalanced.

#### Investment by commodity

**Commodity control totals.** The total amount of a commodity that is available as investment to all industries—the commodity control total—is determined by the amount of the commodity sold to private fixed investment. The calculation of the commodity control total in the capital flow table starts with the commodity’s allocation to private fixed investment in the benchmark I-O use table, and adjustments are made

for scrap, sales of used goods and brokers' commissions.<sup>22</sup>

### Investment by industry

**Sources for industry control totals.** The industry (column) control totals for the capital flow table are calculated primarily from data on capital expenditures from various Census Bureau surveys, including the Annual Survey of Manufacturers (ASM), the Annual Capital Expenditures Survey (ACES), the Business Expenses Survey, and the Economic Census. The source data used to derive each industry control total vary by industry. Table F summarizes the data sources. All the data are on a user basis, showing dollar values of capital used by firms through direct purchase or through capital leases.

22. Chart 1 shows this relationship, and table E summarizes the differences between the row sums in the capital flow table and private fixed investment.

**Table F. Principal Data Sources for Control Totals for Equipment and Software Industry in the 1997 Capital Flow Table**

NAICS code	Industry	Source of data
11	Agriculture, forestry, fishing, and hunting ....	ERS farm sector gross capital expenditures 1997 ACES
21	Mining .....	1997 EC, General Summary, table 1-1 1997 ACES
22	Utilities .....	1997 EC, General Summary, table 10 1997 ACES
23	Construction.....	1997 EC, Subject Series, table 1 1997 ACES
31-33	Manufacturing .....	1997 ASM, table 5
42	Wholesale trade .....	1997 BES, unpublished data, table 13 1997 ACES
44-45	Retail trade.....	1997 BES, unpublished data, table 13 1997 ACES
48-49	Transportation and warehousing.....	1997 EC, Subject Series, table 10 1997 ACES
51	Information.....	1997 EC, Subject Series, table 4 1997 ACES
52	Finance and insurance.....	1999 ACES, table 4c
53	Real Estate, rental, and leasing .....	1997 EC, Subject Series, tables 3a and 3c 1997 BES, unpublished data, table 13 1997 ACES
54	Professional, scientific, and technical services.....	1997 BES, unpublished data, table 13 1997 ACES
55	Management of companies and enterprises	1999 ACES, table 4c
56	Administrative and waste services.....	1997 BES, unpublished data, table 13 1997 ACES
61	Educational services.....	1997 BES, unpublished data, table 13 1997 ACES
62	Health care and social assistance .....	1997 BES, unpublished data, table 13 1997 ACES
71	Arts, entertainment, and recreation .....	1997 BES, unpublished data, table 13 1997 ACES
72	Accommodation and food services.....	1997 BES, unpublished data, table 13 1997 ACES
81	Other services, except public administration	1997 BES, unpublished data, table 13

ACES Annual Capital Expenditures Survey, Census Bureau

ASM Annual Survey of Manufactures, Census Bureau

BES Business Expenditures Survey, Census Bureau

EC Economic Census, Census Bureau

ERS Economic Research Service, U.S. Department of Agriculture

NAICS North American Industry Classification System

Note: A concordance was used to bridge the SIC-based ACES data and the NAICS-based census data.

**Adjustments to the industry controls totals.** The industry control totals are adjusted to account for differences in classification, coverage, and methodology. For example, Economic Census and ASM data are on a three- or four-digit NAICS. The Business Expenses Survey and ACES data are on a two- or three-digit SIC. In addition, the data sources do not always distinguish between new and used capital expenditures. Although the Business Expenses Survey is more detailed than the ACES, the capital expenditures data from that survey are not classified by new and used. Therefore, ACES ratios of new and used expenditures are used in certain cases to disaggregate Business Expenses Survey total expenditures data.

After deriving industry control totals on a NAICS basis, the data are adjusted for the following:

- For establishments not covered by the economic censuses,<sup>23</sup>
- For misreported tax returns,<sup>24</sup>
- For own-account new construction,
- For capitalized software, and<sup>25</sup>
- For conformance to NIPA conventions for expensed motor vehicles, for petroleum and natural gas well drilling and exploration, for other mining exploration and for nonfarm business use of personal motor vehicles.<sup>26</sup>

### Allocation to using industry

After the commodity and industry controls have been derived, new investment purchases by commodity are distributed to using industry. The largest part of this task is the distribution of equipment investment spending to using industry, because of the large number of detailed commodities for equipment and because many types of equipment, such as computers and automobiles, are used by almost every industry.

**Allocation of equipment.** Equipment commodities are distributed to using industries in purchasers' prices

23. This adjustment is mainly for estimates for nonpayroll firms, but it includes an adjustment for capital expenditures data not collected in the economic censuses.

24. The Census Bureau receives data on operating establishments from census forms mailed to establishments and from administrative sources. The administrative sources are tax return data from the Internal Revenue Service and unemployment insurance data. Misreporting adjustments are made to administrative data to correct underreporting of income by establishments. For further information, see Parker (1984).

25. The total of the adjustments for capitalized software is the private fixed investment software value from the benchmark use table. This value is distributed to using industries in proportion to their employment in software related occupations, such as computer programmers and systems analysts.

26. Expenditures for petroleum and natural gas well drilling and exploration and other mining exploration are not reported as investment to the Census Bureau. These expenditures are recorded as investment in the capital flow table. Business use of personal motor vehicles represents personally owned motor vehicles used for business purposes. In the NIPAs, purchases of these vehicles are allocated between consumer purchases and business purchases according to mileage.

by 735 detailed commodity codes. Table G shows the detailed composition of commodities in the computers and peripherals sectors. Two methods are used to allocate capital equipment to using industries—direct allocation and distributive allocation.

With the direct allocation method, detailed commodities that are sector-specific are directly allocated to the appropriate industry; for example, the detailed commodity “nuclear reactor steam supply systems, heat exchanges, and condensers” is allocated to electric power generation, transmission and distribution (2211). If a detailed commodity description is used by a small number of industries, the commodity is allocated according to some other criteria, such as industry output. For example, the commodity “ferrous metal pressure tanks and vessels for refineries, chemical plants, and paper mills” is allocated to petroleum refining, chemical manufacturing, and paper manufacturing by this method.

If a detailed commodity is judged to be used by many industries, the Bureau of Labor Statistics (BLS) occupation-by-industry matrix is used as a guide for allocation.<sup>27</sup> Certain occupations or sets of occupations are assumed to be good indicators of which industries use a specific type of capital good; for example, machine tools are allocated to industries by the employ-

ment of machine tool operators. This method works best when the occupations are highly relevant to the use of a particular capital good and when the ratios of investment in that type of good to occupational employment in those categories is roughly constant. Of the total value of equipment expenditures, 85 percent was distributed by occupational employment.

**Allocation of structures.** The distribution of new structures to using industries is similar to the distribution of new equipment and software. Initially, structures that are industry or sector specific are allocated to the industry or industries to which they are most appropriate; for example, “new religious structures” are allocated to the industry “social and religious organizations.” Of total new structures, 63 percent are directly allocated to using industries, and 37 percent are distributed in proportion to 1998 ACES data on capital expenditures by major industry group. In some cases, occupational data are also used as a guide to the distributions.

### Final adjustment

**Industry review.** After the detailed commodities are distributed to using industries, industry purchase patterns are reviewed, and ACES data on industry purchases are used as a further control total on the distribution of equipment. In the ACES data, industry purchases of capital goods are reported by general category, such as office equipment. These values are used as guidelines to check the quality of the occupational distribution within an industry.

**Balancing the table.** The balancing of the table is done in purchasers’ prices at the level of the published table. The equipment data at the detailed commodity level are first aggregated to the 138 four-digit NAICS categories. Structures and equipment and software are balanced separately.

A balancing program scales the table iteratively by row and by column until the columns and rows sum to their respective control totals. After the balancing is complete, the table is reviewed once again. Transportation and trade margins are then estimated by commodity and moved to the respective rows of the producers’ prices table (table 1).

### Directions for Future Work

A short-term goal in BEA’s current strategic plan is the integration of the annual I-O accounts with the GDP-by-industry accounts as a time series, beginning with 1998. These accounts will be released in the Spring of 2004. A natural extension of this integration would be the compilation of a time series of annual capital flow tables for 1998 to 2001. For most users of the capital flow table, the publication of annual data would be highly desirable. Business investment is one of the

27. BEA used the occupation-by-industry matrices for 1998 and 2000, converted to a NAICS classification.

**Table G. Computers and Peripheral Equipment Commodities by Product Detail**

Input-output commodity	Detailed products
<b>Electronic computers (334111)</b>	<ul style="list-style-type: none"> <li>PC servers (excluding Unix servers)</li> <li>Large and medium scale host computers (mainframes, super computers and Unix servers)</li> <li>Personal computers</li> <li>Workstations, microprocessor-based, single-user systems</li> <li>Laptops</li> <li>Notebooks, subnotebooks</li> <li>PDAs (personal digital assistants)</li> <li>Other portables (palmtops)</li> <li>Other single user computers</li> <li>Other computers (array, analog, hybrid, or special-use computers)</li> <li>Electronic computers, n.s.k.</li> </ul>
<b>Computer storage devices (334112)</b>	<ul style="list-style-type: none"> <li>Magnetic disk drives (rigid and flexible) and other direct access storage equipment</li> <li>Optical disk drives, including CD-ROM, WORM, and rewritable</li> <li>Multiuser system storage devices (disk and optical subsystems, disk arrays, encased)</li> <li>Serial access storage equipment (e.g. tape drives)</li> <li>Computer storage devices, n.s.k.</li> </ul>
<b>Computer terminals (334113)</b>	<ul style="list-style-type: none"> <li>Teleprinters</li> <li>Display terminals</li> <li>Computer terminals, n.s.k.</li> </ul>
<b>Other computer peripheral equipment (334119)</b>	<ul style="list-style-type: none"> <li>Keying equipment, mice, digitizers, light pen tablets, manual input devices, all other input-output devices</li> <li>Optical scanning devices (bar code, flat bed, etc.), plotters, and other entry devices</li> <li>Impact computer printers, including line and serial type</li> <li>Printers, nonimpact (including laser, inkjet, thermal, and ion deposition)</li> <li>Computer monitors</li> <li>Accessories for computer peripherals (device supports, ergonomic aids, etc.)</li> <li>Other peripheral equipment manufacturing, n.s.k.</li> </ul>

n.s.k. Not specified by kind

most volatile components of GDP, and the composition of investment (computers, communication equipment, and autos) can vary significantly over the course of the business cycle. For example, the share of telecommunication equipment in total investment was much smaller in 2001, a recession year, than in 1997, a year of rapid growth.

If resources permit, research will be initiated next year to determine the feasibility of compiling annual capital flow tables.<sup>28</sup> This research will explore the better use of existing source data, investigate alternative

data sources, and suggest improvements in the collection of capital spending data by the Census Bureau. If the project proves feasible, the production of annual capital flow tables will be integrated with the annual I-O accounts, with data being made available with only a 2-year lag. This should result in more timely information on changing patterns of investment by industry.

28. Initial research to develop a prototype series of capital flow tables is planned to begin in fiscal year 2005.

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**Appendix A. Classification of Industries (Columns) in the 1997 Capital Flow Table**

Column number	I-O industry code <sup>1</sup>	Industry	Related 1997 NAICS codes	Column number	I-O industry code <sup>1</sup>	Industry	Related 1997 NAICS codes
1	1110	Crop production .....	1111, 1112, 1113, 1114, 1119	63	3364	Aerospace product and parts manufacturing .....	3364
2	1120	Animal production .....	1121, 1122, 1123, 1124, 1125, 1129	64	336B	Other transportation equipment manufacturing .....	3365, 3366, 3369
3	1130	Forestry and logging .....	1131, 1132, 1133	65	3370	Furniture and related product manufacturing .....	3371, 3372, 3379
4	1140	Fishing, hunting and trapping .....	1141, 1142	66	3391	Medical equipment and supplies manufacturing .....	3391
5	1150	Agriculture and forestry support activities .....	115	67	3399	Other miscellaneous manufacturing .....	3399
6	2110	Oil and gas extraction .....	211	68	4200	Wholesale trade .....	42
7	2121	Coal mining .....	2121	69	4A00	Retail trade .....	44, 45
8	2122	Metal ores mining .....	2122	70	4810	Air transportation .....	481
9	2123	Nonmetallic mineral mining and quarrying .....	2123	71	4820	Rail transportation .....	482
10	2130	Support activities for mining .....	2131	72	4830	Water transportation .....	483
11	2211	Power generation and supply .....	2211	73	4840	Truck transportation .....	484
12	2212	Natural gas distribution .....	2212	74	4850	Transit and ground passenger transportation .....	485
13	2213	Water, sewage and other systems .....	2213	75	4860	Pipeline transportation .....	486
14	2300	New and maintenance and repair construction .....	23	76	48A0	Scenic and sightseeing transportation and support activities for transportation .....	487, 488
15	3110	Food manufacturing .....	3111–9	77	4920	Couriers and messengers .....	492
16	3121	Beverage manufacturing .....	3121	78	4930	Warehousing and storage .....	493
17	3122	Tobacco manufacturing .....	3122	79	5111	Newspaper, book, and directory publishers .....	5111
18	3130	Textile mills .....	3131, 3132, 3133	80	5112	Software publishers .....	5112
19	3140	Textile product mills .....	3141, 3149	81	5120	Motion picture and sound recording industries .....	5121, 5122
20	3150	Apparel manufacturing .....	3151, 3152, 3159	82	5131	Radio and television broadcasting .....	5131
21	3160	Leather and allied product manufacturing .....	3161, 3162, 3169	83	5132	Cable networks and program distribution .....	5132
22	3210	Wood product manufacturing .....	3211, 3212, 3219	84	5133	Telecommunications .....	5133
23	3221	Pulp, paper, and paperboard mills .....	3221	85	5141	Information services .....	5141
24	3222	Converted paper product manufacturing .....	3222	86	5142	Data processing services .....	5142
25	3230	Printing and related support activities .....	3231	87	52A0	Monetary authorities, credit intermediation and related activities .....	521, 522
26	3240	Petroleum and coal products manufacturing .....	3241	88	5230	Securities, commodity contracts, investments .....	523
27	3251	Basic chemical manufacturing .....	3251	89	5240	Insurance carriers and related activities .....	524
28	3252	Resin, rubber, and artificial fibers manufacturing .....	3252	90	5250	Funds, trusts, and other financial vehicles .....	525
29	3253	Agricultural chemical manufacturing .....	3253	91	5310	Real estate (and owner occupied dwellings) .....	531
30	3254	Pharmaceutical and medicine manufacturing .....	3254	92	5321	Automotive equipment rental and leasing .....	5321
31	3255	Paint, coating, and adhesive manufacturing .....	3255	93	532A	Consumer goods and general rental centers .....	5322, 5323
32	3256	Soap, cleaning compound, and toiletry manufacturing .....	3256	94	5324	Machinery and equipment rental and leasing .....	5324
33	3259	Other chemical product and preparation manufacturing .....	3259	95	5330	Lessors of nonfinancial intangible assets .....	533
34	3260	Plastics and rubber products manufacturing .....	3261, 3262	96	5411	Legal services .....	5411
35	3270	Nonmetallic mineral product manufacturing .....	3271, 3272, 3273, 3274, 3279	97	5412	Accounting and bookkeeping services .....	5412
36	331A	Iron and steel mills and manufacturing from purchased steel .....	3311, 3312	98	5413	Architectural and engineering services .....	5413
37	331B	Nonferrous metal production and processing .....	3313, 3314	99	5414	Specialized design services .....	5414
38	3315	Foundries .....	3315	100	5415	Computer systems design and related services .....	5415
39	3321	Forging and stamping .....	3321	101	5416	Management and technical consulting services .....	5416
40	3322	Cutlery and handtool manufacturing .....	3322	102	5417	Scientific research and development services .....	5417
41	3323	Architectural and structural metals manufacturing .....	3323	103	5418	Advertising and related services .....	5418
42	3324	Boiler, tank, and shipping container manufacturing .....	3324	104	5419	Other professional and technical services .....	5419
43	332A	Ordnance and accessories manufacturing .....	332992–5	105	5500	Management of companies and enterprises .....	55
44	332B	Other fabricated metal product manufacturing .....	3325, 3326, 3327, 3328, 33291, 332991, 332996–9	106	5613	Employment services .....	5613
45	3331	Agriculture, construction, and mining machinery .....	3331	107	5615	Travel arrangement and reservation services .....	5615
46	3332	Industrial machinery manufacturing .....	3332	108	561A	All other administrative and support services .....	5611, 5612, 5614, 5616, 5617, 5619
47	3333	Commercial and service industry machinery .....	3333	109	5620	Waste management and remediation services .....	562
48	3334	HVAC and commercial refrigeration equipment .....	3334	110	6100	Educational services .....	611
49	3335	Metalworking machinery manufacturing .....	3335	111	6210	Ambulatory health care services .....	621
50	3336	Turbine and power transmission equipment manufacturing .....	3336	112	6220	Hospitals .....	622
51	3339	Other general purpose machinery manufacturing .....	3339	113	6230	Nursing and residential care facilities .....	623
52	3341	Computer and peripheral equipment manufacturing .....	3341	114	6240	Social assistance .....	624
53	334A	Audio, video, and communications equipment manufacturing .....	3342, 3343	115	71A0	Performing arts, spectator sports, museums, zoos, and parks .....	711, 712
54	3344	Semiconductor and electronic component manufacturing .....	3344	116	7130	Amusements, gambling, and recreation .....	713
55	3345	Electronic instrument manufacturing .....	3345	117	7210	Accommodation .....	721
56	3346	Magnetic media manufacturing and reproducing .....	3346	118	7220	Food services and drinking places .....	722
57	3351	Electric lighting equipment manufacturing .....	3351	119	8111	Automotive repair and maintenance .....	8111
58	3352	Household appliance manufacturing .....	3352	120	811A	Electronic, commercial, and household goods repair .....	8112, 8113, 8114
59	3353	Electrical equipment manufacturing .....	3353	121	8120	Personal and laundry services .....	8121, 8122, 8123, 8129
60	3359	Other electrical equipment and component manufacturing .....	3359	122	813A	Religious, grantmaking and giving, and social advocacy organizations .....	8131, 8132, 8133
61	3361	Motor vehicle manufacturing .....	3361	123	813B	Civic, social, professional and similar organizations .....	813A, 8139
62	336A	Motor vehicle body, trailer, and parts manufacturing .....	3362, 3363				

1. The I-O industry codes with a letter are aggregates of NAICS industries.  
I-O Input output  
NAICS North American Industry Classification System

## Appendix B. Classification of Commodities (Rows) in the 1997 Capital Flow Table

Row number	I-O commodity code <sup>1</sup>	Commodity	Related 1997 NAICS codes	Row number	I-O commodity code <sup>1</sup>	Commodity	Related 1997 NAICS codes
1	212291	Uranium, radium and vanadium ore mining .....	212291	91	333922	Conveyors and conveying equipment .....	333922
2	213111	Drilling oil and gas wells .....	213111	92	333923	Overhead cranes, hoists, and monorail systems .....	333923
3	213112	Support activities for oil and gas operations .....	213112	93	333924	Industrial trucks, trailers, and stackers .....	333924
4	21311A	Support activities for other mining .....	213113, 213114, 213115	94	333991	Power-driven handtools .....	333991
5	233511 <sup>2</sup>	New residential 1-unit structures, nonfarm construction .....	23 <sup>3</sup>	95	333992	Welding and soldering equipment .....	333992
6	233512 <sup>2</sup>	New residential 2-4 unit nonfarm construction .....	23	96	333993	Packaging machinery .....	333993
7	233513 <sup>2</sup>	New residential garden apartments construction .....	23	97	333994	Industrial process furnaces and ovens .....	333994
8	233514 <sup>2</sup>	New high-rise apartments construction .....	23	98	333996	Fluid power pumps and motors .....	333996
9	233515 <sup>2</sup>	New nonfarm residential additions and alterations .....	23	99	33399A	Scales, balances, and miscellaneous general purpose machinery .....	333997, 333999
10	233516 <sup>2</sup>	New hotels and motels construction .....	23	100	334111	Electronic computers .....	334111
11	233517 <sup>2</sup>	New dormitory and other group housing construction .....	23	101	334112	Computer storage devices .....	334112
12	233523 <sup>2</sup>	New warehouse construction .....	23	102	334113	Computer terminals .....	334113
13	233524 <sup>2</sup>	New garages and service stations construction .....	23	103	334119	Other computer peripheral equipment .....	334119
14	233525 <sup>2</sup>	Other new nonfarm buildings construction .....	23	104	334210	Telephone apparatus .....	334210
15	233526 <sup>2</sup>	New religious facilities construction .....	23	105	334220	Broadcast and wireless communications equipment .....	33422
16	233527 <sup>2</sup>	New hospital construction .....	23	106	334290	Other communications equipment .....	33429
17	233528 <sup>2</sup>	New residential institutional and other health facilities .....	23	107	334300	Audio and video equipment .....	3343
18	233529 <sup>2</sup>	New amusement and recreation facilities construction .....	23	108	334510	Electromedical apparatus .....	334510
19	233532 <sup>2</sup>	New railroad facilities construction .....	23	109	334511	Search, detection, and navigation instruments .....	334511
20	233533 <sup>2</sup>	New electric utility construction .....	23	110	334513	Industrial process variable instruments .....	334513
21	233534 <sup>2</sup>	New gas utility facilities construction .....	23	111	334514	Totalizing fluid meters and counting devices .....	334514
22	233535 <sup>2</sup>	New petroleum pipelines construction .....	23	112	334515	Electricity and signal testing instruments .....	334515
23	233536 <sup>2</sup>	New water supply facilities construction .....	23	113	334516	Analytical laboratory instruments .....	334516
24	233543 <sup>2</sup>	New academic facilities construction .....	23	114	334517	Irradiation apparatus .....	334517
25	233544 <sup>2</sup>	New libraries, museums and cultural facilities construction .....	23	115	334519	Other measuring and controlling devices .....	334519
26	233545 <sup>2</sup>	New commercial structures .....	23	116	334613	Magnetic and optical recording media .....	334613
27	233551 <sup>2</sup>	New farm housing units and additions and alterations .....	23	117	335120	Lighting fixtures .....	33512
28	233552 <sup>2</sup>	New farm service facilities construction .....	23	118	335211	Electric housewares and household fans .....	335211
29	233572 <sup>2</sup>	New dam and reservoir construction .....	23	119	335212	Household vacuum cleaners .....	335212
30	233573 <sup>2</sup>	Other new conservation and development construction .....	23	120	335221	Household cooking appliances .....	335221
31	233574 <sup>2</sup>	Other new nonbuilding construction .....	23	121	335222	Household refrigerators and home freezers .....	335222
32	233612 <sup>2</sup>	New highways, bridges and other horizontal construction .....	23	122	335224	Household laundry equipment .....	335224
33	233621 <sup>2</sup>	New industrial plants construction .....	23	123	335228	Other major household appliances .....	335228
34	233624 <sup>2</sup>	New waste treatment plants construction .....	23	124	335311	Electric power and specialty transformers .....	335311
35	233625 <sup>2</sup>	New sewer facilities construction .....	23	125	335312	Motors and generators .....	335312
36	233631 <sup>2</sup>	New telephone and telegraph construction .....	23	126	335313	Switchgear and switchboard apparatus .....	335313
37	233701 <sup>2</sup>	Residential maintenance and repair construction .....	23	127	335314	Relays and industrial controls .....	335314
38	233703 <sup>2</sup>	Farm residential maintenance and repair and major replacement .....	23	128	335911	Storage batteries .....	335911
39	233706 <sup>2</sup>	Railroad maintenance and repair construction .....	23	129	335929	Other communication and energy wire .....	335929
40	233722 <sup>2</sup>	New office building construction .....	23	130	335931	Current-carrying wiring devices .....	335931
41	313230	Nonwoven fabric mills .....	31323	131	335999	Miscellaneous electrical equipment .....	335999
42	314110	Carpet and rug mills .....	31411	132	336110	Automobiles and light trucks .....	33611
43	321920	Wood containers and pallets .....	32192	133	336120	Heavy duty trucks .....	33612
44	321991	Manufactured homes, mobile homes .....	321991	134	336211	Motor vehicle bodies .....	336211
45	325180	Other basic inorganic chemicals .....	325188	135	336212	Truck trailers .....	336212
46	3261A0	Foam products .....	32614, 32615	136	336213	Motor homes .....	336213
47	326290	Other rubber products .....	32629	137	336214	Travel trailers and campers .....	336214
48	332212	Hand and edge tools .....	332212	138	336360	Motor vehicle seating and interior trim .....	33636
49	332213	Saw blades and hand saws .....	332213	139	336411	Aircraft .....	336411
50	332313	Plate work .....	332313	140	336412	Aircraft engines and engine parts .....	336412
51	332322	Sheet metal work .....	332322	141	336414	Guided missiles and space vehicles .....	336414
52	332323	Ornamental and architectural metal work .....	332323	142	336500	Railroad rolling stock .....	3365
53	332410	Power boilers and heat exchangers .....	33241	143	336611	Ship building and repairing .....	336611
54	332420	Metal tanks, heavy gauge .....	33242	144	336612	Boat building .....	336612
55	332430	Metal cans, boxes, and other containers .....	332431	145	336991	Motorcycles, bicycles, and parts .....	336991
56	332500	Hardware .....	3325	146	336999	All other transportation equipment .....	336999
57	332910	Metal valves .....	33291	147	337110	Wood kitchen cabinets and countertops .....	33711
58	332996	Fabricated pipe and pipe fittings .....	332996	148	337121	Upholstered household furniture .....	337121
59	332999	Miscellaneous fabricated metal products .....	332999	149	337122	Nonupholstered wood household furniture .....	337122
60	333111	Farm machinery and equipment .....	333111	150	337124	Metal household furniture .....	337124
61	333112	Lawn and garden equipment .....	333112	151	337125	Household furniture, except wood and metal .....	337125
62	333120	Construction machinery .....	33312	152	337127	Institutional furniture .....	337127
63	333131	Mining machinery and equipment .....	333131	153	337211	Wood office furniture .....	337211
64	333132	Oil and gas field machinery and equipment .....	333132	154	337212	Custom architectural woodwork and millwork .....	337212
65	333210	Sawmill and woodworking machinery .....	33321	155	337214	Office furniture, except wood .....	337214
66	333220	Plastics and rubber industry machinery .....	33322	156	337215	Showcases, partitions, shelving, and lockers .....	337215
67	333291	Paper industry machinery .....	333291	157	337910	Mattresses .....	33791
68	333292	Textile machinery .....	333292	158	337920	Blinds and shades .....	33792
69	333293	Printing machinery and equipment .....	333293	159	339111	Laboratory apparatus and furniture .....	339111
70	333294	Food product machinery .....	333294	160	339112	Surgical and medical instruments .....	339112
71	333295	Semiconductor machinery .....	333295	161	339113	Surgical appliances and supplies .....	339113
72	333298	All other industrial machinery .....	333298	162	339114	Dental equipment and supplies .....	339114
73	33331A	Automatic vending, commercial laundry and drycleaning machinery .....	333311, 333312	163	339920	Sporting and athletic goods .....	33992
74	333313	Office machinery .....	333313	164	339942	Lead pencils and art goods .....	339942
75	333314	Optical instruments and lenses .....	333314	165	339950	Sign manufacturing .....	339950
76	333315	Photographic and photocopying equipment .....	333315	166	339992	Musical instruments .....	339992
77	333319	Other commercial and service machinery .....	333319	167	339999	All other miscellaneous manufactured products .....	339999
78	333411	Air purification equipment .....	333411	168	420000	Wholesale trade .....	42
79	333412	Industrial and commercial fans and blowers .....	333412	169	4A0000	Retail trade .....	44, 45
80	333415	A/C, refrigeration, and forced air heating equipment .....	333415	170	481000	Air transportation .....	481
81	333511	Industrial molds .....	333511	171	482000	Rail transportation .....	482
82	333512	Metal cutting machine tools .....	333512	172	483000	Water transportation .....	483
83	333513	Metal forming machine tools .....	333513	173	484000	Truck transportation .....	484
84	333514	Special tools, dies, jigs, and fixtures .....	333514	174	511200	Software publishers .....	5112
85	33351A	Rolling mill and other metalworking machinery .....	333516, 333518	175	513000	Telecommunications .....	5133
86	333611	Turbine and turbine generator set units .....	333611	176	531210	Offices of real estate agents and brokers .....	53121
87	333618	Other engine equipment .....	333618	177	541300	Engineering services .....	54133
88	333911	Pumps and pumping equipment .....	333911	178	541511	Custom computer programming services .....	541511
89	333912	Air and gas compressors .....	333912	179	541512	Computer systems design services .....	541512
90	333913	Measuring and dispensing pumps .....	333913	180	S00300	Noncomparable imports .....	n.a.

1. The I-O commodity codes with a letter are aggregates of NAICS industries.

2. Construction is classified by type of activity, such as the construction of new highways and streets, rather than by the type of construction contractor, such as heavy construction contractors who pave asphalt roads.

3. The commodity in this NAICS code is included in more than one commodity.

I-O Input output  
NAICS North American Industry Classification System  
n.a. Not applicable.

Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Crop production	Animal production	Forestry and logging	Fishing, hunting and trapping	Agriculture and forestry support activities	Oil and gas extraction	Coal mining	Metal ores mining	Nonmetallic mineral mining and quarrying
			1110	1120	1130	1140	1150	2110	2121	2122	2123
1	212291	Uranium, radium, and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....						9,347			
3	213112	Support activities for oil and gas operations.....						11,102	65	96	60
4	21311A	Support activities for other mining.....							334	571	291
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit structures, nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....						47	1	1	
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....			35		739				
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities construction.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....									
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....						9			
23	233536	New water supply facilities construction.....								52	
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums, and cultural facilities construction.....									
26	233545	New commercial structures construction.....			5			10	5	6	5
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....	2,119	1,696							
29	233572	New dams and reservoir construction.....									
30	233573	Other new construction and development construction.....									
31	233574	Other new nonbuilding construction.....	2	6	110	19		4			
32	233612	New highways, bridges, and other horizontal construction.....									
33	233621	New industrial plants construction.....						2,530	238	166	61
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....						30	9	11	10
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	4	1	1		2	5	1	1	1
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....									
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....									
48	332212	Hand and edge tools.....	2	1	2		2				
49	332213	Saw blades and handsaws.....	2	1	8		1				
50	332313	Plate work.....									
51	332322	Sheet metal work.....									
52	332323	Ornamental and architectural metal work.....		121							
53	332410	Power boilers and heat exchangers.....	3	1				28			7
54	332420	Metal tanks, heavy gauge.....	165	55	2	1	13	37	16	2	13
55	332430	Metal cans, boxes, and other containers.....	14	6	1		1	1	1		2
56	332500	Hardware.....									
57	332910	Metal valves.....	2		1		1	32	23	5	20
58	332996	Fabricated pipe and pipe fittings.....						16			
59	332999	Miscellaneous fabricated metal products.....	1				1				
60	333111	Farm machinery and equipment.....	9,188	2,196	1		396	1			
61	333112	Lawn and garden equipment.....	431	181				20	5	6	21
62	333120	Construction machinery.....	199	63	400	6	12	150	338	284	517
63	333131	Mining machinery and equipment.....						65	654	437	454
64	333132	Oil and gas field machinery and equipment.....						609			
65	333210	Sawmill and woodworking machinery.....			3						
66	333220	Plastics and rubber industry machinery.....									
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....									
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....									2
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....									
74	333313	Office machinery.....	3	1	1		3	4			
75	333314	Optical instruments and lenses.....		3			1	40	1	6	2
76	333315	Photographic and photocopying equipment.....	9	4			1	26	3	4	5
77	333319	Other commercial and service machinery.....	5	2	1		3	3	1		3
78	333411	Air purification equipment.....	1					4	13		
79	333412	Industrial and commercial fans and blowers.....	1				1	1	23		2
80	333415	A/C, refrigeration, and forced air heating equipment.....	16	6	1		2	3	23		2
81	333511	Industrial molds.....									
82	333512	Metal cutting machine tools.....	1					133	35	7	11
83	333513	Metal forming machine tools.....						1	1		
84	333514	Special tools, dies, jigs, and fixtures.....						5	4	5	2
85	33351A	Rolling mill and other metalworking machinery.....									
86	333611	Turbine and turbine generator set units.....							8		
87	333618	Other engine equipment.....	205	68	5	5	2	92	21	8	15
88	333911	Pumps and pumping equipment.....	126	42	2	1	4	352	21	44	51
89	333912	Air and gas compressors.....	24	8	2		5	40	26	10	18
90	333913	Measuring and dispensing pumps.....	2	1	1			12	15	5	18
91	333922	Conveyors and conveying equipment.....	13	4	5			37	82	24	58
92	333923	Overhead cranes, hoists, and monorail systems.....	8	3	6		3	23	45	15	28

## Structures to Using Industries, I-O Commodities, 1997

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Crop production	Animal production	Forestry and logging	Fishing, hunting and trapping	Agriculture and forestry support activities	Oil and gas extraction	Coal mining	Metal ores mining	Nonmetallic mineral mining and quarrying
			1110	1120	1130	1140	1150	2110	2121	2122	2123
93	333924	Industrial trucks, trailers, and stackers .....	20	6	1	.....	1	21	47	17	29
94	333991	Power-driven handtools .....	147	64	7	2	2	5	17	7	10
95	333992	Welding and soldering equipment .....	34	10	1	.....	2	6	12	9	12
96	333993	Packaging machinery .....	13	9	.....	.....	.....	.....	.....	.....	2
97	333994	Industrial process furnaces and ovens .....	1	.....	.....	.....	.....	12	8	21	28
98	333996	Fluid power pumps and motors .....	1	.....	.....	.....	.....	1	1	.....	1
99	33399A	Scales, balances, and miscellaneous general purpose machinery .....	6	2	.....	2	1	35	5	4	11
100	334111	Electronic computers .....	166	74	7	2	10	252	37	47	55
101	334112	Computer storage devices .....	49	15	2	.....	6	50	8	6	13
102	334113	Computer terminals .....	2	1	.....	.....	1	1	.....	.....	.....
103	334119	Other computer peripheral equipment .....	36	12	5	.....	11	86	13	13	23
104	334210	Telephone apparatus .....	19	6	2	.....	11	15	4	2	6
105	334220	Broadcast and wireless communications equipment .....	32	11	5	.....	4	51	7	11	13
106	334290	Other communications equipment .....	1	.....	.....	.....	1	4	.....	.....	.....
107	334300	Audio and video equipment .....	1	.....	.....	.....	2	1	.....	.....	.....
108	334510	Electromedical apparatus .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	334511	Search, detection, and navigation instruments .....	.....	.....	1	11	.....	5	.....	.....	.....
110	334513	Industrial process variable instruments .....	6	2	1	.....	2	143	33	21	26
111	334514	Totalizing fluid meters and counting devices .....	3	1	1	.....	1	34	3	2	5
112	334515	Electricity and signal testing instruments .....	6	27	.....	.....	.....	4	1	2	2
113	334516	Analytical laboratory instruments .....	20	7	6	.....	2	87	12	20	12
114	334517	Irradiation apparatus .....	.....	.....	.....	.....	.....	3	.....	.....	.....
115	334519	Other measuring and controlling devices .....	33	11	4	.....	2	182	30	72	24
116	334613	Magnetic and optical recording media .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
117	335120	Lighting fixtures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
118	335211	Electric housewares and household fans .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
119	335212	Household vacuum cleaners .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
120	335221	Household cooking appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
121	335222	Household refrigerators and home freezers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
122	335224	Household laundry equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	335228	Other major household appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers .....	1	.....	.....	.....	.....	4	1	.....	2
125	335312	Motors and generators .....	10	3	1	.....	2	15	5	2	4
126	335313	Switchgear and switchboard apparatus .....	1	1	1	.....	1	19	11	5	12
127	335314	Relays and industrial controls .....	1	.....	2	.....	1	6	6	4	13
128	335911	Storage batteries .....	2	1	.....	.....	2	.....	3	.....	3
129	335929	Other communication and energy wire .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
130	335931	Current-carrying wiring devices .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
131	335999	Miscellaneous electrical equipment .....	7	2	.....	.....	1	60	9	68	3
132	336110	Automobiles and light trucks .....	5,641	5,287	41	4	7	275	56	405	99
133	336120	Heavy duty trucks .....	647	605	105	.....	3	91	167	55	198
134	336211	Motor vehicle bodies .....	10	4	4	.....	3	4	9	7	27
135	336212	Truck trailers .....	22	7	26	.....	8	7	12	35	24
136	336213	Motor homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	336214	Travel trailers and campers .....	23	7	1	.....	6	.....	.....	.....	.....
138	336360	Motor vehicle seating and interior trim .....	.....	.....	.....	.....	1	1	.....	.....	.....
139	336411	Aircraft .....	.....	.....	1	.....	31	309	.....	16	.....
140	336412	Aircraft engines and engine parts .....	.....	.....	.....	.....	2	5	.....	.....	.....
141	336414	Guided missiles and space vehicles .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
142	336500	Railroad rolling stock .....	.....	.....	.....	.....	.....	.....	519	.....	.....
143	336611	Ship building and repairing .....	.....	.....	.....	22	.....	482	.....	.....	.....
144	336612	Boat building .....	.....	.....	.....	13	.....	.....	.....	.....	.....
145	336991	Motorcycles, bicycles, and parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
146	336999	All other transportation equipment .....	116	144	3	6	1	30	3	3	6
147	337110	Wood kitchen cabinets and countertops .....	1	.....	.....	.....	1	1	.....	.....	.....
148	337121	Upholstered household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	337127	Institutional furniture .....	7	2	1	.....	2	7	8	7	11
153	337211	Wood office furniture .....	8	3	2	.....	1	14	2	3	4
154	337212	Custom architectural woodwork and millwork .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
155	337214	Office furniture, except wood .....	12	5	3	.....	1	35	4	5	11
156	337215	Showcases, partitions, shelving, and lockers .....	8	2	1	.....	6	11	1	.....	7
157	337910	Mattresses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
159	339111	Laboratory apparatus and furniture .....	3	1	1	.....	1	24	1	5	4
160	339112	Surgical and medical instruments .....	1	.....	.....	.....	1	.....	.....	.....	.....
161	339113	Surgical appliances and supplies .....	1	.....	.....	.....	.....	.....	.....	.....	.....
162	339114	Dental equipment and supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	339920	Sporting and athletic goods .....	1	.....	.....	.....	.....	.....	.....	.....	.....
164	339942	Lead pencils and art goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	339950	Sign manufacturing .....	2	1	.....	.....	2	5	.....	.....	.....
166	339992	Musical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167	339999	All other miscellaneous manufactured products .....	9	3	.....	.....	2	1	1	.....	2
168	420000	Wholesale trade .....	2,819	991	100	3	107	615	305	242	301
169	4A0000	Retail trade .....	901	566	10	4	5	107	27	44	48
170	481000	Air transportation .....	27	8	4	.....	.....	75	14	9	11
171	482000	Rail transportation .....	66	51	4	.....	1	7	8	5	7
172	483000	Water transportation .....	2	1	.....	.....	.....	.....	.....	.....	.....
173	484000	Truck transportation .....	431	172	17	.....	14	26	34	26	36
174	511200	Software publishers .....	44	115	5	.....	4	353	10	30	91
175	513300	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services .....	402	335	8	1	29	155	154	67	127
178	541511	Custom computer programming services .....	79	22	2	.....	1	402	12	164	160
179	541512	Computer systems design services .....	17	5	.....	.....	5	27	4	5	6
180	S00300	Noncomparable imports .....	2	1	.....	.....	1	8	1	.....	2
<b>Total new equipment, software, and structures .....</b>			<b>24,466</b>	<b>13,073</b>	<b>980</b>	<b>102</b>	<b>1,505</b>	<b>28,998</b>	<b>3,637</b>	<b>3,232</b>	<b>3,170</b>



Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Support activities for mining	Power generation and supply	Natural gas distribution	Water, sewage and other systems	New and maintenance and repair construction	Food manufacturing	Beverage manufacturing	Tobacco manufacturing	Textile mills
			2130	2211	2212	2213	2300	3110	3121	3122	3130
1	212291	Uranium, radium and vanadium ore mining.....		39							
2	213111	Drilling oil and gas wells.....	257								
3	213112	Support activities for oil and gas operations.....	374								
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....					196	89	14	3	18
13	233524	New garages and service stations construction.....					82				
14	233525	Other new nonfarm buildings construction.....									
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....		17,209				3	1		1
21	233534	New gas utility facilities construction.....			6,384						
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....				1,020	126				
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	5	249	12	8	48	24	7	3	9
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....				444					
30	233573	Other new conservation and development construction.....				265					
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....					467	1,487	250	41	260
34	233624	New waste treatment plants construction.....				83					
35	233625	New sewer facilities construction.....				401					
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	11	383	97	46	627	423	85	21	79
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	4	10	1	1	54	16	4	1	2
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....					1	6	2	1	1
45	325180	Other basic inorganic chemicals.....		2,040							
46	3261A0	Foam products.....									
47	326290	Other rubber products.....									1
48	332212	Hand and edge tools.....					4				
49	332213	Saw blades and handsaws.....	2	1			186				
50	332313	Plate work.....		35				1			1
51	332322	Sheet metal work.....					15	2			
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	10	2	2		20	65	17	2	10
54	332420	Metal tanks, heavy gauge.....	44	166	5	6	95	87	16	4	7
55	332430	Metal cans, boxes, and other containers.....	2	1			4	225	3		
56	332500	Hardware.....					9	1			
57	332910	Metal valves.....	15	57	38	17	36	65	8	2	10
58	332996	Fabricated pipe and pipe fittings.....	5	3	57	8	198	1	2		
59	332999	Miscellaneous fabricated metal products.....		2			121	4	2		1
60	333111	Farm machinery and equipment.....		9	1	1	2	14	2		2
61	333112	Lawn and garden equipment.....	18	32	16	8	45	89	9	3	8
62	333120	Construction machinery.....	752	243	68	51	7,805	74	26	10	13
63	333131	Mining machinery and equipment.....	245								
64	333132	Oil and gas field machinery and equipment.....	433		51						
65	333210	Sawmill and woodworking machinery.....					71				
66	333220	Plastics and rubber industry machinery.....									
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									1,539
69	333293	Printing machinery and equipment.....							2		5
70	333294	Food product machinery.....						1,485	258		
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....				477				109	103
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....						7	237		
74	333313	Office machinery.....	4	135	2	1	58	22	6	2	2
75	333314	Optical instruments and lenses.....	13	24	2	3	17	12	3	9	1
76	333315	Photographic and photocopying equipment.....	10	44	9	2	218	39	8	6	6
77	333319	Other commercial and service machinery.....	5	14	5	5	183	61	8		2
78	333411	Air purification equipment.....	2	24	1	1	73	6			1
79	333412	Industrial and commercial fans and blowers.....	5	8	1	1	53	34	5		7
80	333415	A/C, refrigeration, and forced air heating equipment.....	4	9	1	1	61	125	15	3	3
81	333511	Industrial molds.....						11			6
82	333512	Metal cutting machine tools.....	25			1	35				
83	333513	Metal forming machine tools.....	2	1			15	7	14		1
84	333514	Special tools, dies, jigs, and fixtures.....	16	4			1	32	56	2	3
85	33351A	Rolling mill and other metalworking machinery.....					163				
86	333611	Turbine and turbine generator set units.....		1,383	414	22	1				
87	333618	Other engine equipment.....	39	35	4	3	88	23	7	2	4
88	333911	Pumps and pumping equipment.....	9	169	32	26	232	292	72	21	29
89	333912	Air and gas compressors.....	96	60	14	63	619	51	13	3	14
90	333913	Measuring and dispensing pumps.....		13	3	13	148	38	10	2	9
91	333922	Conveyors and conveying equipment.....	94	26		3	107	486	91	14	37
92	333923	Overhead cranes, hoists, and monorail systems.....	120	188	7	6	389	50	8	2	11

## Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Support activities for mining	Power generation and supply	Natural gas distribution	Water, sewage and other systems	New and maintenance and repair construction	Food manufacturing	Beverage manufacturing	Tobacco manufacturing	Textile mills
			2130	2211	2212	2213	2300	3110	3121	3122	3130
93	333924	Industrial trucks, trailers, and stackers .....	99	12	6	177	161	220	68	11	20
94	333991	Power-driven handtools .....	31	47	9	2	723	39	6	1	6
95	333992	Welding and soldering equipment .....	29	25	5	1	334	44	11	2	5
96	333993	Packaging machinery .....	.....	.....	.....	.....	.....	819	185	12	38
97	333994	Industrial process furnaces and ovens .....	80	6	.....	.....	6	107	8	4	2
98	333996	Fluid power pumps and motors .....	5	33	.....	.....	15	11	2	.....	1
99	33399A	Scales, balances, and miscellaneous general purpose machinery .....	19	28	3	10	52	168	16	5	19
100	334111	Electronic computers .....	132	820	156	38	657	345	78	52	39
101	334112	Computer storage devices .....	27	218	46	6	266	89	19	14	10
102	334113	Computer terminals .....	2	4	1	.....	18	8	2	.....	3
103	334119	Other computer peripheral equipment .....	43	182	31	16	324	134	33	21	18
104	334210	Telephone apparatus .....	9	27	7	3	933	42	12	5	6
105	334220	Broadcast and wireless communications equipment .....	28	116	31	13	656	48	20	5	4
106	334290	Other communications equipment .....	2	6	1	.....	34	6	2	2	1
107	334300	Audio and video equipment .....	2	3	1	1	37	7	2	.....	1
108	334510	Electromedical apparatus .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	334511	Search, detection, and navigation instruments .....	.....	2	167	.....	.....	.....	.....	.....	.....
110	334513	Industrial process variable instruments .....	280	263	30	44	52	229	28	16	31
111	334514	Totalizing fluid meters and counting devices .....	4	25	348	8	23	56	5	3	3
112	334515	Electricity and signal testing instruments .....	.....	4,271	21	1	49	31	5	6	20
113	334516	Analytical laboratory instruments .....	33	111	18	6	100	31	7	34	16
114	334517	Irradiation apparatus .....	.....	24	.....	.....	4	11	.....	.....	.....
115	334519	Other measuring and controlling devices .....	107	250	5	3	252	50	9	4	9
116	334613	Magnetic and optical recording media .....	.....	1	.....	.....	3	.....	.....	.....	.....
117	335120	Lighting fixtures .....	.....	5	.....	.....	29	1	.....	.....	.....
118	335211	Electric housewares and household fans .....	.....	.....	.....	.....	2	.....	.....	.....	.....
119	335212	Household vacuum cleaners .....	.....	.....	.....	.....	1	1	.....	.....	.....
120	335221	Household cooking appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
121	335222	Household refrigerators and home freezers .....	.....	.....	.....	.....	.....	1	.....	.....	.....
122	335224	Household laundry equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	335228	Other major household appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers .....	.....	2,215	12	3	8	7	2	.....	2
125	335312	Motors and generators .....	14	349	4	1	154	27	8	2	5
126	335313	Switchgear and switchboard apparatus .....	13	756	30	12	23	46	7	4	9
127	335314	Relays and industrial controls .....	70	88	1	1	150	42	7	.....	8
128	335911	Storage batteries .....	.....	4	.....	1	6	21	7	2	4
129	335929	Other communication and energy wire .....	.....	1	.....	.....	3	2	.....	.....	.....
130	335931	Current-carrying wiring Devices .....	.....	24	.....	.....	2	.....	.....	.....	.....
131	335999	Miscellaneous electrical equipment .....	13	179	7	5	213	186	28	2	5
132	336110	Automobiles and light trucks .....	365	3,680	241	131	23,363	511	112	43	58
133	336120	Heavy duty trucks .....	40	207	12	128	2,292	62	11	2	6
134	336211	Motor vehicle bodies .....	18	3	1	9	124	65	31	.....	3
135	336212	Truck trailers .....	55	9	5	17	549	113	58	2	3
136	336213	Motor homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	336214	Travel trailers and campers .....	.....	1	.....	.....	11	3	2	.....	.....
138	336360	Motor vehicle seating and interior trim .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
139	336411	Aircraft .....	.....	.....	.....	.....	11	4	.....	4	.....
140	336412	Aircraft engines and engine parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
141	336414	Guided missiles and space vehicles .....	.....	.....	.....	.....	1	.....	.....	.....	.....
142	336500	Railroad rolling stock .....	.....	.....	.....	.....	.....	7	3	2	2
143	336611	Ship building and repairing .....	4	.....	.....	.....	3	1	.....	.....	.....
144	336612	Boat building .....	2	.....	.....	.....	.....	.....	.....	.....	.....
145	336991	Motorcycles, bicycles, and parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
146	336999	All other transportation equipment .....	13	4	5	7	9	9	3	2	.....
147	337110	Wood kitchen cabinets and countertops .....	.....	2	1	.....	15	4	2	.....	1
148	337121	Upholstered household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	337127	Institutional furniture .....	12	62	12	3	180	54	11	2	7
153	337211	Wood office furniture .....	8	22	6	1	35	29	6	3	4
154	337212	Custom architectural woodwork and millwork .....	.....	1	.....	.....	7	1	.....	.....	.....
155	337214	Office furniture, except wood .....	20	58	14	5	177	61	13	9	8
156	337215	Showcases, partitions, shelving, and lockers .....	9	24	6	1	141	133	19	5	8
157	337910	Mattresses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades .....	.....	1	.....	.....	8	4	.....	.....	.....
159	339111	Laboratory apparatus and furniture .....	9	40	5	1	49	26	5	5	4
160	339112	Surgical and medical instruments .....	.....	.....	.....	.....	8	2	.....	.....	.....
161	339113	Surgical appliances and supplies .....	.....	2	.....	.....	12	4	.....	.....	.....
162	339114	Dental equipment and supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	339920	Sporting and athletic goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
164	339942	Lead pencils and art goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	339950	Sign manufacturing .....	5	19	5	1	90	38	14	2	2
166	339992	Musical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167	339999	All other miscellaneous manufactured products .....	4	5	1	1	65	24	3	.....	3
168	420000	Wholesale trade .....	608	1,569	251	247	4,514	1,092	276	69	221
169	4A0000	Retail trade .....	91	448	67	23	2,096	250	42	17	27
170	481000	Air transportation .....	63	102	16	3	170	51	10	1	12
171	482000	Rail transportation .....	10	41	2	5	253	15	3	.....	.....
172	483000	Water transportation .....	.....	2	.....	.....	4	.....	.....	.....	.....
173	484000	Truck transportation .....	55	240	14	11	823	95	16	1	14
174	511200	Software publishers .....	203	1,427	369	19	2,092	180	33	45	30
175	513300	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services .....	192	689	61	57	989	419	85	24	95
178	541511	Custom computer programming services .....	317	1,237	183	104	1,258	781	150	150	121
179	541512	Computer systems design services .....	14	43	9	3	172	41	10	5	4
180	S00300	Noncomparable imports .....	5	15	2	1	31	13	2	2	3
		<b>Total new equipment, software, and structures .....</b>	<b>5,785</b>	<b>42,666</b>	<b>9,455</b>	<b>4,117</b>	<b>57,515</b>	<b>12,378</b>	<b>2,758</b>	<b>868</b>	<b>3,127</b>

Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Textile product mills	Apparel manufacturing	Leather and allied product manufacturing	Wood product manufacturing	Pulp, paper, and paper-board mills	Converted paper product manufacturing	Printing and related support activities	Petroleum and coal products manufacturing	Basic chemical manufacturing
			3140	3150	3160	3210	3221	3222	3230	3240	3251
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....	9	8		26	17	15	27	19	71
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....									
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....		1			1	1	1	1	3
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	11	7	7	12	3	2	5	5	15
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....	83	149	2	346	325	255	519	370	1,514
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	18	53	16	138	78	63	135	107	493
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	1	2	1	2	2	5	11	2	5
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....	1	1		1			4	4	5
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....		2			7	9	67		
48	332212	Hand and edge tools.....				18					
49	332213	Saw blades and handsaws.....				8					
50	332313	Plate work.....		1		1					
51	332322	Sheet metal work.....									
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	8	9	2	22	18	15	16	56	53
54	332420	Metal tanks, heavy gauge.....	5	4	2	16	41	40	18	65	55
55	332430	Metal cans, boxes, and other containers.....				1	2	1	1	2	5
56	332500	Hardware.....									
57	332910	Metal valves.....	5	4	2	14	52	35	13	50	77
58	332996	Fabricated pipe and pipe fittings.....				1	7			27	24
59	332999	Miscellaneous fabricated metal products.....				3	2	1	1	2	2
60	333111	Farm machinery and equipment.....	1	1				1	2		2
61	333112	Lawn and garden equipment.....	3	2	1	30	60	22	9	9	33
62	333120	Construction machinery.....	4	3	1	45	72	19	34	59	94
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....				786	5				
66	333220	Plastics and rubber industry machinery.....			7						
67	333291	Paper industry machinery.....					1,960	528	39		
68	333292	Textile machinery.....	232	333							
69	333293	Printing machinery and equipment.....	2	4	1		74	122	1,417		2
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....	42	43	21	10	27	2	2	842	934
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....									
74	333313	Office machinery.....	1	2		3	2	4	37	3	4
75	333314	Optical instruments and lenses.....				2	14	3	16	12	49
76	333315	Photographic and photocopying equipment.....	4	7	2	7	12	18	82	13	25
77	333319	Other commercial and service machinery.....	1	2	1	4	10	5	8	2	8
78	333411	Air purification equipment.....		1		5	25	2	2	23	38
79	333412	Industrial and commercial fans and blowers.....	2	9	1	9	9	8	16	3	5
80	333415	A/C, refrigeration, and forced air heating equipment.....	3	5	1	5	7	6	15	5	29
81	333511	Industrial molds.....	16	3	10	10	32	69		12	3
82	333512	Metal cutting machine tools.....				4	84	2		25	42
83	333513	Metal forming machine tools.....	1		1	6	10	18		6	3
84	333514	Special tools, dies, jigs, and fixtures.....	3	1	2	13	36	35		27	22
85	33351A	Rolling mill and other metalworking machinery.....									
86	333611	Turbine and turbine generator set units.....				1	39	3		45	9
87	333618	Other engine equipment.....	2	2		11	10	6	4	19	14
88	333911	Pumps and pumping equipment.....	9	11	3	48	76	42	12	151	152
89	333912	Air and gas compressors.....	4	5	2	16	39	38	15	70	83
90	333913	Measuring and dispensing pumps.....	4	3	1	10	14	12	4	10	13
91	333922	Conveyors and conveying equipment.....	15	21	9	127	98	152	108	39	49
92	333923	Overhead cranes, hoists, and monorail systems.....	3	5	1	15	31	8	7	35	35

## Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Textile product mills	Apparel manufacturing	Leather and allied product manufacturing	Wood product manufacturing	Pulp, paper, and paper-board mills	Converted paper product manufacturing	Printing and related support activities	Petroleum and coal products manufacturing	Basic chemical manufacturing
			3140	3150	3160	3210	3221	3222	3230	3240	3251
93	333924	Industrial trucks, trailers, and stackers .....	5	8	2	83	130	88	31	38	145
94	333991	Power-driven handtools .....	2	2	1	16	23	8	4	8	14
95	333992	Welding and soldering equipment .....	5	3	3	28	11	14	6	16	15
96	333993	Packaging machinery .....	11	45	6	58	182	141	221	25	66
97	333994	Industrial process furnaces and ovens .....	.....	.....	.....	7	19	.....	.....	555	142
98	333996	Fluid power pumps and motors .....	.....	.....	.....	2	2	3	.....	1	2
99	33399A	Scales, balances, and miscellaneous general purpose machinery .....	7	8	3	31	278	37	72	214	897
100	334111	Electronic computers .....	28	39	6	66	128	102	245	175	474
101	334112	Computer storage devices .....	6	11	3	17	24	30	81	24	119
102	334113	Computer terminals .....	2	2	1	2	3	3	6	2	3
103	334119	Other computer peripheral equipment .....	14	18	3	26	47	42	131	76	251
104	334210	Telephone apparatus .....	5	5	1	7	8	13	29	10	19
105	334220	Broadcast and wireless communications equipment .....	4	4	1	11	13	14	23	26	27
106	334290	Other communications equipment .....	.....	1	.....	1	2	2	4	2	3
107	334300	Audio and video equipment .....	.....	1	.....	2	2	2	5	2	3
108	334510	Electromedical apparatus .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	334511	Search, detection, and navigation instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
110	334513	Industrial process variable instruments .....	13	16	5	48	131	57	66	239	405
111	334514	Totalizing fluid meters and counting devices .....	2	1	2	11	23	13	8	43	73
112	334515	Electricity and signal testing instruments .....	6	9	8	5	11	6	14	11	22
113	334516	Analytical laboratory instruments .....	4	5	5	5	7	3	1	47	153
114	334517	Irradiation apparatus .....	.....	.....	.....	.....	2	.....	.....	3	4
115	334519	Other measuring and controlling devices .....	3	5	2	11	20	13	15	20	42
116	334613	Magnetic and optical recording media .....	.....	.....	.....	.....	.....	.....	1	.....	.....
117	335120	Lighting fixtures .....	.....	.....	.....	1	.....	.....	1	.....	.....
118	335211	Electric housewares and household fans .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
119	335212	Household vacuum cleaners .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
120	335221	Household cooking appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
121	335222	Household refrigerators and home freezers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
122	335224	Household laundry equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	335228	Other major household appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers .....	1	1	.....	3	59	4	3	29	9
125	335312	Motors and generators .....	2	5	1	8	16	6	12	25	24
126	335313	Switchgear and switchboard apparatus .....	4	4	1	9	66	13	12	47	34
127	335314	Relays and industrial controls .....	4	9	2	18	19	13	22	10	10
128	335911	Storage batteries .....	2	1	.....	9	12	10	4	3	3
129	335929	Other communication and energy wire .....	.....	.....	.....	.....	.....	.....	1	.....	.....
130	335931	Current-carrying wiring Devices .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
131	335999	Miscellaneous electrical equipment .....	1	2	.....	10	116	7	11	25	239
132	336110	Automobiles and light trucks .....	52	59	10	119	100	131	256	111	179
133	336120	Heavy duty trucks .....	4	4	4	13	9	5	34	19	17
134	336211	Motor vehicle bodies .....	2	1	.....	10	5	7	10	8	6
135	336212	Truck trailers .....	2	1	1	30	6	10	18	14	9
136	336213	Motor homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	336214	Travel trailers and campers .....	.....	1	.....	1	.....	1	2	.....	.....
138	336360	Motor vehicle seating and interior trim .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
139	336411	Aircraft .....	.....	.....	.....	1	6	.....	1	5	3
140	336412	Aircraft engines and engine parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
141	336414	Guided missiles and space vehicles .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
142	336500	Railroad rolling stock .....	.....	.....	.....	1	7	2	3	44	77
143	336611	Ship building and repairing .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
144	336612	Boat building .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
145	336991	Motorcycles, bicycles, and parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
146	336999	All other transportation equipment .....	1	1	.....	13	19	2	6	6	47
147	337110	Wood kitchen cabinets and countertops .....	.....	1	.....	1	.....	1	3	2	2
148	337121	Upholstered household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	337127	Institutional furniture .....	4	3	1	10	23	8	14	7	17
153	337211	Wood office furniture .....	3	5	1	5	6	8	24	8	14
154	337212	Custom architectural woodwork and millwork .....	.....	1	.....	1	.....	1	1	.....	1
155	337214	Office furniture, except wood .....	6	9	2	11	15	19	53	18	38
156	337215	Showcases, partitions, shelving, and lockers .....	8	10	2	20	10	21	42	7	17
157	337910	Mattresses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades .....	.....	.....	.....	.....	.....	1	2	.....	.....
159	339111	Laboratory apparatus and furniture .....	2	1	1	5	10	.....	.....	12	40
160	339112	Surgical and medical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	2
161	339113	Surgical appliances and supplies .....	.....	.....	.....	1	2	1	2	.....	2
162	339114	Dental equipment and supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	339920	Sporting and athletic goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
164	339942	Lead pencils and art goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	339950	Sign manufacturing .....	1	2	1	5	5	6	19	4	7
166	339992	Musical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167	339999	All other miscellaneous manufactured products .....	2	2	1	5	5	5	12	3	3
168	420000	Wholesale trade .....	64	80	14	320	538	282	698	462	867
169	4A0000	Retail trade .....	14	18	3	73	115	62	119	53	163
170	481000	Air transportation .....	2	2	.....	3	65	22	33	21	40
171	482000	Rail transportation .....	.....	.....	.....	2	3	2	3	4	7
172	483000	Water transportation .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
173	484000	Truck transportation .....	3	4	.....	17	45	18	31	25	40
174	511200	Software publishers .....	19	30	6	43	66	58	177	65	482
175	513300	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services .....	28	57	8	74	216	223	221	198	282
178	541511	Custom computer programming services .....	72	66	11	111	397	239	265	577	1,027
179	541512	Computer systems design services .....	4	6	1	8	15	12	32	18	34
180	S00300	Noncomparable imports .....	1	2	.....	3	6	4	6	9	14
		<b>Total new equipment, software, and structures .....</b>	<b>918</b>	<b>1,275</b>	<b>220</b>	<b>3,178</b>	<b>6,349</b>	<b>3,362</b>	<b>5,764</b>	<b>5,496</b>	<b>10,605</b>

Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.	Resin, rubber, and artificial fibers manufacturing	Agricultural chemical manufacturing	Pharmaceutical and medicine manufacturing	Paint, coating, and adhesive manufacturing	Soap, cleaning compound, and toiletry manufacturing	Other chemical product and preparation manufacturing	Plastics and rubber products manufacturing	Nonmetallic mineral product manufacturing	Iron and steel mills and manufacturing from purchased steel
			Industry code	3252	3253	3254	3255	3256	3259	3260	3270
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....	13	3	52	5	9	18	41	24	12
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....									
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....	1		2			1	2	1	1
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	4	4	10	5	4	7	8	14	5
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....	260	66	1,125	79	167	160	789	437	206
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	86	36	348	44	62	63	216	149	56
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	4	1	5	1	4	2	4	5	1
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....	1	1	10	1	1	1	4	4	1
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....							3		
48	332212	Hand and edge tools.....									
49	332213	Saw blades and handsaws.....							1	1	
50	332313	Plate work.....							1		
51	332322	Sheet metal work.....									
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	38	25	13	3	7	5	17	32	18
54	332420	Metal tanks, heavy gauge.....	38	21	23	4	12	11	26	32	11
55	332430	Metal cans, boxes, and other containers.....	2		4	1	1	2	1	4	
56	332500	Hardware.....							1		
57	332910	Metal valves.....	56	24	47	10	15	26	19	28	14
58	332996	Fabricated pipe and pipe fittings.....	17	12	6	1	1	2	1		2
59	332999	Miscellaneous fabricated metal products.....			1				1	2	1
60	333111	Farm machinery and equipment.....		2	1	1			1	2	
61	333112	Lawn and garden equipment.....	28	10	14	3	10	14	17	25	9
62	333120	Construction machinery.....	65	20	34	4	14	13	25	111	108
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....							2,455		
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....			3				19	2	
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....	457	129	87	65	139	244	3	672	3
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....									
74	333313	Office machinery.....	4	2	3	2	3	2	4	4	2
75	333314	Optical instruments and lenses.....	24	9	92	7	12	15	2	3	3
76	333315	Photographic and photocopying equipment.....	19	5	25	3	10	10	14	15	7
77	333319	Other commercial and service machinery.....	8	4	6	1	2	2	5	12	2
78	333411	Air purification equipment.....	9	8	9	2	4	9	7	13	9
79	333412	Industrial and commercial fans and blowers.....	5	2	5	1	3	2	10	12	4
80	333415	A/C, refrigeration, and forced air heating equipment.....	21	3	34	3	7	11	9	7	3
81	333511	Industrial molds.....	3						2,373	308	45
82	333512	Metal cutting machine tools.....	72	6	50	14	22		5	56	123
83	333513	Metal forming machine tools.....	2	2	1	2	1		66	13	63
84	333514	Special tools, dies, jigs, and fixtures.....	7	6	6	7	4		140	29	223
85	33351A	Rolling mill and other metalworking machinery.....									776
86	333611	Turbine and turbine generator set units.....	9	5	4	2	3	3			7
87	333618	Other engine equipment.....	10	6	4	1	3	2	9	15	12
88	333911	Pumps and pumping equipment.....	92	55	53	9	24	20	50	91	48
89	333912	Air and gas compressors.....	57	28	35	4	11	20	21	33	14
90	333913	Measuring and dispensing pumps.....	9	3	7	2	4	2	3	18	13
91	333922	Conveyors and conveying equipment.....	42	15	71	23	74	27	73	193	63
92	333923	Overhead cranes, hoists, and monorail systems.....	25	14	13	1	5	4	12	27	30

## Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.	Resin, rubber, and artificial fibers manufacturing	Agricultural chemical manufacturing	Pharmaceutical and medicine manufacturing	Paint, coating, and adhesive manufacturing	Soap, cleaning compound, and toiletry manufacturing	Other chemical product and preparation manufacturing	Plastics and rubber products manufacturing	Nonmetallic mineral product manufacturing	Iron and steel mills and manufacturing from purchased steel
			3252	3253	3254	3255	3256	3259	3260	3270	331A
		Industry code									
93	333924	Industrial trucks, trailers, and stackers .....	26	11	14	10	31	8	64	123	122
94	333991	Power-driven handtools .....	12	4	6	1	2	4	12	23	13
95	333992	Welding and soldering equipment .....	11	5	8	2	13	8	14	40	23
96	333993	Packaging machinery .....	51	12	130	16	56	34	72	89	25
97	333994	Industrial process furnaces and ovens .....	128	24	62	15	18	35	34	361	198
98	333996	Fluid power pumps and motors .....	1	.....	2	1	1	1	4	4	1
99	33399A	Scales, balances, and miscellaneous general purpose machinery .....	58	24	28	4	13	14	61	50	35
100	334111	Electronic computers .....	225	74	321	44	94	113	109	133	72
101	334112	Computer storage devices .....	37	10	48	8	18	17	27	36	16
102	334113	Computer terminals .....	2	.....	3	1	1	1	5	3	1
103	334119	Other computer peripheral equipment .....	90	31	97	15	34	40	46	62	24
104	334210	Telephone apparatus .....	13	4	17	4	8	6	11	17	6
105	334220	Broadcast and wireless communications equipment .....	23	4	28	4	11	10	12	37	9
106	334290	Other communications equipment .....	2	.....	4	1	1	1	3	2	1
107	334300	Audio and video equipment .....	2	.....	1	1	1	1	3	3	1
108	334510	Electromedical apparatus .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	334511	Search, detection, and navigation instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
110	334513	Industrial process variable instruments .....	251	98	211	26	53	109	158	105	72
111	334514	Totalizing fluid meters and counting devices .....	48	18	39	5	9	22	9	15	6
112	334515	Electricity and signal testing instruments .....	15	20	4	1	4	13	12	16	25
113	334516	Analytical laboratory instruments .....	112	27	251	24	43	69	77	79	36
114	334517	Irradiation apparatus .....	2	2	3	.....	.....	1	1	3	1
115	334519	Other measuring and controlling devices .....	24	8	41	4	7	9	21	27	12
116	334613	Magnetic and optical recording media .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
117	335120	Lighting fixtures .....	.....	.....	.....	.....	.....	.....	1	1	1
118	335211	Electric housewares and household fans .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
119	335212	Household vacuum cleaners .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
120	335221	Household cooking appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
121	335222	Household refrigerators and home freezers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
122	335224	Household laundry equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	335228	Other major household appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers .....	9	5	5	1	4	3	3	3	6
125	335312	Motors and generators .....	19	8	28	2	4	5	10	14	10
126	335313	Switchgear and switchboard apparatus .....	25	15	16	4	8	7	13	20	14
127	335314	Relays and industrial controls .....	8	2	6	2	4	3	16	30	81
128	335911	Storage batteries .....	2	2	1	1	3	1	6	11	4
129	335929	Other communication and energy wire .....	.....	.....	.....	.....	.....	.....	1	.....	.....
130	335931	Current-carrying wiring Devices .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
131	335999	Miscellaneous electrical equipment .....	16	7	52	1	3	5	9	12	29
132	336110	Automobiles and light trucks .....	122	46	140	33	95	67	175	199	81
133	336120	Heavy duty trucks .....	11	6	6	1	3	4	8	25	8
134	336211	Motor vehicle bodies .....	2	3	3	1	3	2	4	68	3
135	336212	Truck trailers .....	2	6	6	1	5	3	5	80	4
136	336213	Motor homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	336214	Travel trailers and campers .....	.....	.....	.....	.....	.....	.....	1	1	.....
138	336360	Motor vehicle seating and interior trim .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
139	336411	Aircraft .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
140	336412	Aircraft engines and engine parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
141	336414	Guided missiles and space vehicles .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
142	336500	Railroad rolling stock .....	56	15	27	3	11	10	3	3	3
143	336611	Ship building and repairing .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
144	336612	Boat building .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
145	336991	Motorcycles, bicycles, and parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
146	336999	All other transportation equipment .....	28	21	8	2	2	5	1	9	2
147	337110	Wood kitchen cabinets and countertops .....	.....	.....	1	.....	1	1	1	1	.....
148	337121	Upholstered household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	337127	Institutional furniture .....	13	5	10	2	3	3	11	17	11
153	337211	Wood office furniture .....	10	2	15	2	6	4	9	11	4
154	337212	Custom architectural woodwork and millwork .....	.....	.....	1	.....	.....	.....	1	1	.....
155	337214	Office furniture, except wood .....	27	6	34	6	14	13	19	25	9
156	337215	Showcases, partitions, shelving, and lockers .....	14	5	15	5	14	8	25	33	9
157	337910	Mattresses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades .....	.....	.....	1	.....	.....	.....	1	1	.....
159	339111	Laboratory apparatus and furniture .....	29	5	42	5	8	14	10	12	5
160	339112	Surgical and medical instruments .....	2	7	8	.....	.....	.....	.....	.....	.....
161	339113	Surgical appliances and supplies .....	.....	.....	1	.....	.....	.....	1	1	.....
162	339114	Dental equipment and supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	339920	Sporting and athletic goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
164	339942	Lead pencils and art goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	339950	Sign manufacturing .....	5	2	5	2	5	2	5	6	2
166	339992	Musical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167	339999	All other miscellaneous manufactured products .....	5	2	3	1	3	2	6	7	3
168	420000	Wholesale trade .....	373	132	349	62	142	162	701	475	315
169	4A0000	Retail trade .....	95	34	90	17	40	44	63	88	39
170	481000	Air transportation .....	14	1	10	1	3	1	42	15	14
171	482000	Rail transportation .....	1	.....	1	.....	1	1	4	9	4
172	483000	Water transportation .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
173	484000	Truck transportation .....	19	4	6	.....	5	2	49	26	29
174	511200	Software publishers .....	97	20	215	20	49	51	82	95	60
175	513300	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services .....	131	47	97	19	40	56	317	191	105
178	541511	Custom computer programming services .....	750	218	767	106	210	224	299	347	246
179	541512	Computer systems design services .....	25	8	30	4	9	11	13	15	6
180	S00300	Noncomparable imports .....	7	4	9	1	3	3	5	5	3
		<b>Total new equipment, software, and structures .....</b>	<b>4,538</b>	<b>1,541</b>	<b>5,529</b>	<b>803</b>	<b>1,761</b>	<b>1,931</b>	<b>9,133</b>	<b>5,479</b>	<b>3,704</b>

Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Nonferrous metal production and processing	Foundries	Forging and stamping	Cutlery and handtool manufacturing	Architectural and structural metals manufacturing	Boiler, tank, and shipping container manufacturing	Ordnance and accessories manufacturing	Other fabricated metal product manufacturing	Agriculture, construction, and mining machinery
			331B	3315	3321	3322	3323	3324	332A	332B	3331
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....	15	7	6	2	11	3	1	37	9
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....									
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....	1				1			1	1
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	7	5	5	3	5	3	1	17	4
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....	230	133	106	26	170	48	12	516	171
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	49	46	39	15	57	22	7	171	61
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	1	1	1	1	2	1		6	2
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....	1	1	1		1	1		4	1
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....						1		1	
48	332212	Hand and edge tools.....									
49	332213	Saw blades and handsaws.....									
50	332313	Plate work.....									
51	332322	Sheet metal work.....			1		3			2	
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	13	9	3	1	5	2		17	4
54	332420	Metal tanks, heavy gauge.....	14	5	4	3	9	4		27	7
55	332430	Metal cans, boxes, and other containers.....	1								
56	332500	Hardware.....								1	
57	332910	Metal valves.....	12	7	6	2	7	6		27	6
58	332996	Fabricated pipe and pipe fittings.....	1							2	1
59	332999	Miscellaneous fabricated metal products.....	1				1			1	1
60	333111	Farm machinery and equipment.....		1			1	1		2	
61	333112	Lawn and garden equipment.....	13	2	2	3	6	2		17	4
62	333120	Construction machinery.....	27	3	6	4	15	5	2	31	12
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....				7				5	7
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....						1		1	1
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....	15	160	3	2	3	2	34	36	3
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....									
74	333313	Office machinery.....	2	1	1	1	3	1		6	2
75	333314	Optical instruments and lenses.....	3	1						2	1
76	333315	Photographic and photocopying equipment.....	6	4	4	2	8	2	1	25	7
77	333319	Other commercial and service machinery.....	2	2	1	1	2	1		8	1
78	333411	Air purification equipment.....	6	4	3	1	3	2		10	3
79	333412	Industrial and commercial fans and blowers.....	4	4	3	2	5	2		14	4
80	333415	A/C, refrigeration, and forced air heating equipment.....	3	3	2	1	3	2		14	3
81	333511	Industrial molds.....	43	82	6	30	64	34	1	239	27
82	333512	Metal cutting machine tools.....	98	65	141	58	94	37	2	750	102
83	333513	Metal forming machine tools.....	71	89	89	31	61	23	1	371	54
84	333514	Special tools, dies, jigs, and fixtures.....	182	24	136	84	90	46	9	1,087	239
85	33351A	Rolling mill and other metalworking machinery.....	48	54	34	20	77	21	3	174	71
86	333611	Turbine and turbine generator set units.....	5	1	2					1	
87	333618	Other engine equipment.....	10	4	8	3	9	4		22	5
88	333911	Pumps and pumping equipment.....	40	5	12	4	19	14	1	32	15
89	333912	Air and gas compressors.....	16	14	9	4	16	5		46	14
90	333913	Measuring and dispensing pumps.....	8	5	3	1	3	3		10	3
91	333922	Conveyors and conveying equipment.....	42	22	22	16	19	23	1	81	45
92	333923	Overhead cranes, hoists, and monorail systems.....	12	6	4	1	7	5		14	5

Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.	Nonferrous metal production and processing	Foundries	Forging and stamping	Cutlery and handtool manufacturing	Architectural and structural metals manufacturing	Boiler, tank and shipping container manufacturing	Ordnance and accessories manufacturing	Other fabricated metal product manufacturing	Agriculture, construction, and mining machinery
			331B	3315	3321	3322	3323	3324	332A	332B	3331
93	333924	Industrial trucks, trailers, and stackers .....	33	13	11	3	20	13	1	33	15
94	333991	Power-driven handtools .....	7	6	6	2	14	5	1	21	9
95	333992	Welding and soldering equipment .....	13	10	22	12	74	22	1	91	59
96	333993	Packaging machinery .....	28	1	11	7	14	9	.....	56	17
97	333994	Industrial process furnaces and ovens .....	105	78	10	6	11	5	.....	90	9
98	333996	Fluid power pumps and motors .....	1	1	1	1	1	1	.....	3	1
99	33399A	Scales, balances, and miscellaneous general purpose machinery .....	37	1	19	8	22	10	.....	39	21
100	334111	Electronic computers .....	74	42	27	19	67	19	6	234	61
101	334112	Computer storage devices .....	14	10	6	5	16	6	1	52	14
102	334113	Computer terminals .....	2	1	1	1	1	1	.....	5	1
103	334119	Other computer peripheral equipment .....	26	15	17	7	25	8	3	91	25
104	334210	Telephone apparatus .....	6	4	4	2	7	2	2	18	6
105	334220	Broadcast and wireless communications equipment .....	8	4	3	2	7	2	1	17	7
106	334290	Other communications equipment .....	1	1	1	.....	1	1	.....	4	1
107	334300	Audio and video equipment .....	1	1	1	.....	1	.....	.....	4	1
108	334510	Electromedical apparatus .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	334511	Search, detection, and navigation instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
110	334513	Industrial process variable instruments .....	93	17	20	10	20	14	1	96	23
111	334514	Totalizing fluid meters and counting devices .....	13	2	4	1	3	3	.....	14	4
112	334515	Electricity and signal testing instruments .....	23	5	5	3	5	2	1	8	5
113	334516	Analytical laboratory instruments .....	37	1	14	6	14	9	2	35	17
114	334517	Irradiation apparatus .....	3	.....	.....	.....	1	.....	.....	1	1
115	334519	Other measuring and controlling devices .....	11	3	5	2	7	4	1	11	7
116	334613	Magnetic and optical recording media .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
117	335120	Lighting fixtures .....	.....	.....	.....	.....	.....	.....	.....	1	.....
118	335211	Electric housewares and household fans .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
119	335212	Household vacuum cleaners .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
120	335221	Household cooking appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
121	335222	Household refrigerators and home freezers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
122	335224	Household laundry equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	335228	Other major household appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers .....	4	2	2	1	2	1	.....	4	3
125	335312	Motors and generators .....	9	8	6	5	8	4	.....	35	15
126	335313	Switchgear and switchboard apparatus .....	13	5	5	2	5	4	.....	15	5
127	335314	Relays and industrial controls .....	18	10	5	3	11	4	.....	20	7
128	335911	Storage batteries .....	3	1	2	.....	2	2	.....	4	1
129	335929	Other communication and energy wire .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
130	335931	Current-carrying wiring Devices .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
131	335999	Miscellaneous electrical equipment .....	24	7	7	5	5	3	1	58	6
132	336110	Automobiles and light trucks .....	68	69	50	28	18	37	5	181	80
133	336120	Heavy duty trucks .....	9	13	7	4	8	3	1	23	8
134	336211	Motor vehicle bodies .....	3	1	1	.....	3	1	.....	6	1
135	336212	Truck trailers .....	5	2	1	.....	6	2	.....	8	3
136	336213	Motor homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	336214	Travel trailers and campers .....	.....	.....	.....	.....	.....	.....	.....	1	.....
138	336360	Motor vehicle seating and interior trim .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
139	336411	Aircraft .....	.....	.....	.....	2	.....	.....	.....	2	1
140	336412	Aircraft engines and engine parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
141	336414	Guided missiles and space vehicles .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
142	336500	Railroad rolling stock .....	2	1	1	.....	1	.....	.....	3	1
143	336611	Ship building and repairing .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
144	336612	Boat building .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
145	336991	Motorcycles, bicycles, and parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
146	336999	All other transportation equipment .....	9	.....	.....	.....	.....	.....	.....	2	.....
147	337110	Wood kitchen cabinets and countertops .....	1	.....	.....	.....	1	.....	.....	2	1
148	337121	Upholstered household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	337127	Institutional furniture .....	6	4	3	1	3	3	.....	8	3
153	337211	Wood office furniture .....	5	2	2	2	5	2	.....	13	5
154	337212	Custom architectural woodwork and millwork .....	.....	.....	.....	.....	1	.....	.....	1	.....
155	337214	Office furniture, except wood .....	9	2	5	3	12	5	1	17	10
156	337215	Showcases, partitions, shelving, and lockers .....	9	9	6	5	16	5	1	36	13
157	337910	Mattresses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades .....	.....	.....	.....	.....	1	.....	.....	1	.....
159	339111	Laboratory apparatus and furniture .....	8	1	3	2	6	2	.....	5	8
160	339112	Surgical and medical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
161	339113	Surgical appliances and supplies .....	.....	.....	.....	.....	1	.....	.....	2	.....
162	339114	Dental equipment and supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	339920	Sporting and athletic goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
164	339942	Lead pencils and art goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	339950	Sign manufacturing .....	2	.....	1	1	4	1	.....	7	2
166	339992	Musical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167	339999	All other miscellaneous manufactured products .....	3	2	2	1	3	2	.....	7	2
168	420000	Wholesale trade .....	168	108	80	42	118	50	8	481	122
169	4A0000	Retail trade .....	37	18	18	9	32	11	1	97	28
170	481000	Air transportation .....	8	5	7	3	6	1	.....	53	9
171	482000	Rail transportation .....	1	1	.....	.....	.....	.....	.....	3	1
172	483000	Water transportation .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
173	484000	Truck transportation .....	7	1	3	.....	3	.....	.....	29	4
174	511200	Software publishers .....	44	25	31	16	49	14	8	159	50
175	513300	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services .....	80	141	46	24	53	24	.....	304	57
178	541511	Custom computer programming services .....	232	117	63	34	114	58	15	500	178
179	541512	Computer systems design services .....	9	4	4	2	9	2	.....	28	8
180	S00300	Noncomparable imports .....	3	2	1	1	2	1	.....	8	2
<b>Total new equipment, software, and structures .....</b>			<b>2,337</b>	<b>1,547</b>	<b>1,213</b>	<b>622</b>	<b>1,619</b>	<b>705</b>	<b>138</b>	<b>6,875</b>	<b>1,834</b>



Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.	Industrial machinery manufacturing	Commercial and service industry machinery	HVAC and commercial refrigeration equipment	Metalworking machinery manufacturing	Turbine and power transmission equipment manufacturing	Other general purpose machinery manufacturing	Computer and peripheral equipment manufacturing	Audio, video, and communications equipment manufacturing	Semi-conductor and electronic component manufacturing
			3332	3333	3334	3335	3336	3339	3341	334A	3344
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....	13	10	5	7	5	12	18	15	373
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....									
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....						1	1	1	3
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	7	4	5	6	4	5	6	14	31
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....	263	119	110	152	93	232	404	381	1,430
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	84	26	19	53	37	72	124	172	614
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	2	1	1	4	1	4	7	6	9
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....	1	1	1	1	1	1	3	5	14
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....				1		1			1
48	332212	Hand and edge tools.....									
49	332213	Saw blades and handsaws.....									
50	332313	Plate work.....				1					1
51	332322	Sheet metal work.....			1	3					
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	1	1	2	10	2	3	2	3	4
54	332420	Metal tanks, heavy gauge.....	3	5	5	16	4	7	4	7	15
55	332430	Metal cans, boxes, and other containers.....		1							
56	332500	Hardware.....				1					
57	332910	Metal valves.....	3	8	3	14	4	7	3	5	14
58	332996	Fabricated pipe and pipe fittings.....				1					
59	332999	Miscellaneous fabricated metal products.....	1		1	2		1	1	1	2
60	333111	Farm machinery and equipment.....	1			1		1			1
61	333112	Lawn and garden equipment.....	2	3	3	5	2	4	2	3	12
62	333120	Construction machinery.....	6	4	3	10	7	9	21	25	74
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....	5	8	8	1		8	5	41	63
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....	1					1	2	2	5
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....							200	1	6,146
72	333298	All other industrial machinery.....	148	3	2	62	3	5	26	9	718
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....			1						
74	333313	Office machinery.....	2	2	1	3	1	3	5	4	6
75	333314	Optical instruments and lenses.....	1	5	1	1		1	3	10	13
76	333315	Photographic and photocopying equipment.....	6	7	4	10	4	13	34	29	41
77	333319	Other commercial and service machinery.....	1	1	1	2	1	2	2	2	5
78	333411	Air purification equipment.....	2	2	1	2	2	3	3	3	9
79	333412	Industrial and commercial fans and blowers.....	2	1	2	1	2	4	3	4	11
80	333415	A/C, refrigeration, and forced air heating equipment.....	2	3	2	5	2	3	3	5	10
81	333511	Industrial molds.....	19	27	30	4	18	22	6	66	140
82	333512	Metal cutting machine tools.....	77	36	38	96	102	137	18	29	129
83	333513	Metal forming machine tools.....	38	16	24	70	38	68	6	10	46
84	333514	Special tools, dies, jigs, and fixtures.....	179	63	79	318	194	312	42	54	220
85	33351A	Rolling mill and other metalworking machinery.....	37	30	51	27	35	71	83	133	
86	333611	Turbine and turbine generator set units.....								2	
87	333618	Other engine equipment.....	2	1	3	7	3	5	1	1	6
88	333911	Pumps and pumping equipment.....	8	7	7	6	10	20	16	20	55
89	333912	Air and gas compressors.....	14	9	6	9	10	19	28	31	69
90	333913	Measuring and dispensing pumps.....	1	1	2	2	3	2	2	2	5
91	333922	Conveyors and conveying equipment.....	17	21	34	12	17	43	28	70	112
92	333923	Overhead cranes, hoists, and monorail systems.....	2	2	3	2	3	5	3	2	9

## Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.	Industrial machinery manufacturing	Commercial and service industry machinery	HVAC and commercial refrigeration equipment	Metalworking machinery manufacturing	Turbine and power transmission equipment manufacturing	Other general purpose machinery manufacturing	Computer and peripheral equipment manufacturing	Audio, video, and communications equipment manufacturing	Semi-conductor and electronic component manufacturing
			3332	3333	3334	3335	3336	3339	3341	334A	3344
93	333924	Industrial trucks, trailers, and stackers .....	1	3	12	1	4	13	1	8	5
94	333991	Power-driven handtools .....	7	4	6	7	6	12	15	21	38
95	333992	Welding and soldering equipment .....	33	15	23	22	23	58	15	18	47
96	333993	Packaging machinery .....	13	15	16	7	9	25	50	174	155
97	333994	Industrial process furnaces and ovens .....	3	8	4	3	9	6	1	3	23
98	333996	Fluid power pumps and motors .....	1	1	1	.....	1	1	1	.....	.....
99	33399A	Scales, balances, and miscellaneous general purpose machinery .....	16	9	12	10	15	27	38	38	93
100	334111	Electronic computers .....	53	61	36	113	41	79	240	218	353
101	334112	Computer storage devices .....	13	12	6	19	7	18	76	54	76
102	334113	Computer terminals .....	1	1	1	2	1	1	3	3	5
103	334119	Other computer peripheral equipment .....	25	23	13	40	14	37	227	90	131
104	334210	Telephone apparatus .....	6	5	4	8	4	8	22	18	27
105	334220	Broadcast and wireless communications equipment .....	8	7	4	9	4	11	42	44	51
106	334290	Other communications equipment .....	1	1	1	2	1	2	5	4	7
107	334300	Audio and video equipment .....	1	1	1	2	.....	1	1	1	2
108	334510	Electromedical apparatus .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	334511	Search, detection, and navigation instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
110	334513	Industrial process variable instruments .....	13	28	13	4	17	32	25	95	228
111	334514	Totalizing fluid meters and counting devices .....	1	5	2	.....	3	3	1	3	9
112	334515	Electricity and signal testing instruments .....	7	8	9	1	25	2	44	95	72
113	334516	Analytical laboratory instruments .....	22	27	18	3	15	26	63	100	220
114	334517	Irradiation apparatus .....	1	1	1	.....	1	1	3	3	6
115	334519	Other measuring and controlling devices .....	7	6	5	1	7	11	24	25	46
116	334613	Magnetic and optical recording media .....	.....	.....	.....	.....	.....	.....	3	1	1
117	335120	Lighting fixtures .....	2	.....	.....	.....	.....	.....	2	7	6
118	335211	Electric housewares and household fans .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
119	335212	Household vacuum cleaners .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
120	335221	Household cooking appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
121	335222	Household refrigerators and home freezers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
122	335224	Household laundry equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	335228	Other major household appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers .....	1	1	2	.....	1	3	4	9	14
125	335312	Motors and generators .....	14	6	6	4	11	18	25	25	49
126	335313	Switchgear and switchboard apparatus .....	3	3	3	1	4	6	16	16	27
127	335314	Relays and industrial controls .....	2	2	3	1	3	6	2	6	15
128	335911	Storage batteries .....	.....	.....	2	1	.....	2	.....	1	.....
129	335929	Other communication and energy wire .....	.....	.....	.....	.....	.....	.....	1	.....	1
130	335931	Current-carrying wiring Devices .....	.....	.....	.....	.....	.....	.....	.....	1	.....
131	335999	Miscellaneous electrical equipment .....	7	5	4	4	5	9	34	52	191
132	336110	Automobiles and light trucks .....	57	54	43	55	48	40	74	98	87
133	336120	Heavy duty trucks .....	9	5	4	21	8	7	14	16	21
134	336211	Motor vehicle bodies .....	.....	1	1	1	1	1	.....	1	3
135	336212	Truck trailers .....	1	1	1	2	1	1	.....	1	6
136	336213	Motor homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	336214	Travel trailers and campers .....	.....	.....	.....	.....	.....	1	.....	.....	1
138	336360	Motor vehicle seating and interior trim .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
139	336411	Aircraft .....	.....	.....	.....	1	.....	1	1	.....	.....
140	336412	Aircraft engines and engine parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
141	336414	Guided missiles and space vehicles .....	.....	.....	.....	.....	.....	.....	.....	3	2
142	336500	Railroad rolling stock .....	1	1	1	1	1	1	3	3	7
143	336611	Ship building and repairing .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
144	336612	Boat building .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
145	336991	Motorcycles, bicycles, and parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
146	336999	All other transportation equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	2
147	337110	Wood kitchen cabinets and countertops .....	1	1	1	.....	.....	1	2	2	3
148	337121	Upholstered household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	337127	Institutional furniture .....	3	2	2	2	3	4	4	7	11
153	337211	Wood office furniture .....	5	4	2	3	2	6	19	15	22
154	337212	Custom architectural woodwork and millwork .....	.....	.....	.....	.....	.....	1	1	1	1
155	337214	Office furniture, except wood .....	10	8	5	7	6	17	43	38	56
156	337215	Showcases, partitions, shelving, and lockers .....	7	7	7	5	5	14	18	26	36
157	337910	Mattresses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades .....	.....	.....	.....	.....	.....	1	1	1	2
159	339111	Laboratory apparatus and furniture .....	10	6	.....	1	5	12	34	35	62
160	339112	Surgical and medical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
161	339113	Surgical appliances and supplies .....	.....	.....	.....	1	.....	1	1	1	2
162	339114	Dental equipment and supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	339920	Sporting and athletic goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
164	339942	Lead pencils and art goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	339950	Sign manufacturing .....	2	2	1	4	1	5	6	5	8
166	339992	Musical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167	339999	All other miscellaneous manufactured products .....	1	1	2	3	2	3	3	3	7
168	420000	Wholesale trade .....	106	72	64	125	77	152	245	258	843
169	4A0000	Retail trade .....	22	21	13	34	17	33	84	75	124
170	481000	Air transportation .....	6	3	2	9	7	11	10	11	77
171	482000	Rail transportation .....	.....	.....	.....	.....	.....	.....	1	1	10
172	483000	Water transportation .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
173	484000	Truck transportation .....	3	1	2	2	2	4	6	6	109
174	511200	Software publishers .....	45	32	40	115	32	71	209	217	275
175	513300	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services .....	45	28	30	59	42	71	70	127	637
178	541511	Custom computer programming services .....	183	157	80	267	139	293	1,477	979	1,490
179	541512	Computer systems design services .....	8	8	4	11	4	11	34	30	50
180	S00300	Noncomparable imports .....	2	2	1	3	2	3	12	9	15
<b>Total new equipment, software, and structures .....</b>			<b>1,740</b>	<b>1,103</b>	<b>973</b>	<b>1,925</b>	<b>1,243</b>	<b>2,292</b>	<b>4,471</b>	<b>4,270</b>	<b>16,284</b>

Table 1. Distribution of New Equipment, Software, and  
[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Electronic instrument manufacturing	Magnetic media manufacturing and reproducing	Electric lighting equipment manufacturing	Household appliance manufacturing	Electrical equipment manufacturing	Other electrical equipment and component manufacturing	Motor vehicle manufacturing	Motor vehicle body, trailer, and parts manufacturing	Aerospace product and parts manufacturing
			3345	3346	3351	3352	3353	3359	3361	336A	3364
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....	63	11	2	1	5	29	43	47	78
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....									
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....	2					1	2	2	2
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	6	8	4	3	7	15	9	12	6
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....	1,087	56	36	31	119	164	1,033	731	1,578
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	279	48	31	27	40	115	328	236	421
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	7	1	1	1	1	2	4	10	11
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....	1	1			1	1	4	5	1
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....	1						2	2	2
48	332212	Hand and edge tools.....									
49	332213	Saw blades and handsaws.....									
50	332313	Plate work.....									
51	332322	Sheet metal work.....									
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	2	3	2	3	2	3	5	20	5
54	332420	Metal tanks, heavy gauge.....	10	3	3	5	4	8	26	52	20
55	332430	Metal cans, boxes, and other containers.....	1								
56	332500	Hardware.....	1								
57	332910	Metal valves.....	7	2	4	2	3	6	7	31	17
58	332996	Fabricated pipe and pipe fittings.....							3	5	1
59	332999	Miscellaneous fabricated metal products.....	1				1	1	2	3	2
60	333111	Farm machinery and equipment.....	1							4	2
61	333112	Lawn and garden equipment.....	3	2	1	2	3	5	6	23	8
62	333120	Construction machinery.....	15	9	3	3	4	9	39	68	27
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....	8	43	9	25	19	65		263	19
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....	2	4	1	1		1		1	2
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....	2								
72	333298	All other industrial machinery.....	9		1	1	3	109	3	15	11
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....									
74	333313	Office machinery.....	5	2	1	1	2	2	2	6	7
75	333314	Optical instruments and lenses.....	10	2			2	2	2	7	23
76	333315	Photographic and photocopying equipment.....	34	10	2	3	6	7	15	38	63
77	333319	Other commercial and service machinery.....	2		1	1	1	2	2	18	5
78	333411	Air purification equipment.....	5		1	1	2	3	5	12	7
79	333412	Industrial and commercial fans and blowers.....	4	2	1	1	2	3	6	20	9
80	333415	A/C, refrigeration, and forced air heating equipment.....	6	2	1	1	2	3	5	18	9
81	333511	Industrial molds.....	36	80	16	42	67	232		955	62
82	333512	Metal cutting machine tools.....	65	7	11	24	42	48	1,008	1,126	258
83	333513	Metal forming machine tools.....	27	2	6	10	19	27	12	339	134
84	333514	Special tools, dies, jigs, and fixtures.....	165	7	18	23	66	79	887	976	735
85	33351A	Rolling mill and other metalworking machinery.....	108	15	30	40	63	57	186	442	139
86	333611	Turbine and turbine generator set units.....								2	
87	333618	Other engine equipment.....	2						3	2	28
88	333911	Pumps and pumping equipment.....	30	3	1	4	7	16	12	97	39
89	333912	Air and gas compressors.....	39	4	3	3	11	12	143	64	72
90	333913	Measuring and dispensing pumps.....	1		3	1	3	3	5	4	2
91	333922	Conveyors and conveying equipment.....	48	14	22	29	35	43	141	348	77
92	333923	Overhead cranes, hoists, and monorail systems.....	4		3	1	2	4	5	63	29

## Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.	Electronic instrument manufacturing	Magnetic media manufacturing and reproducing	Electric lighting equipment manufacturing	Household appliance manufacturing	Electrical equipment manufacturing	Other electrical equipment and component manufacturing	Motor vehicle manufacturing	Motor vehicle body, trailer, and parts manufacturing	Aerospace product and parts manufacturing
			3345	3346	3351	3352	3353	3359	3361	336A	3364
93	333924	Industrial trucks, trailers, and stackers .....	1	5	9	12	6	12	172	119	8
94	333991	Power-driven handtools .....	19	2	4	2	8	7	170	50	33
95	333992	Welding and soldering equipment .....	36	3	10	15	18	20	74	172	76
96	333993	Packaging machinery .....	68	11	11	10	31	36	23	133	76
97	333994	Industrial process furnaces and ovens .....	5	.....	.....	.....	2	3	20	47	17
98	333996	Fluid power pumps and motors .....	.....	.....	1	1	1	1	1	5	.....
99	33399A	Scales, balances, and miscellaneous general purpose machinery .....	45	5	4	6	15	18	160	126	65
100	334111	Electronic computers .....	222	67	19	23	67	70	117	355	325
101	334112	Computer storage devices .....	62	17	4	5	10	13	26	70	104
102	334113	Computer terminals .....	3	2	.....	1	1	1	1	6	4
103	334119	Other computer peripheral equipment .....	114	21	5	8	19	22	86	129	189
104	334210	Telephone apparatus .....	21	6	2	2	5	6	8	28	33
105	334220	Broadcast and wireless communications equipment .....	42	14	2	3	6	7	17	39	143
106	334290	Other communications equipment .....	6	2	.....	.....	1	1	2	6	9
107	334300	Audio and video equipment .....	2	.....	.....	.....	1	1	1	3	2
108	334510	Electromedical apparatus .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	334511	Search, detection, and navigation instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	5
110	334513	Industrial process variable instruments .....	57	12	17	10	35	48	68	164	72
111	334514	Totalizing fluid meters and counting devices .....	6	3	3	3	3	2	2	19	5
112	334515	Electricity and signal testing instruments .....	34	14	15	8	17	17	73	52	46
113	334516	Analytical laboratory instruments .....	127	14	6	9	24	29	71	168	272
114	334517	Irradiation apparatus .....	7	.....	.....	.....	1	1	2	4	16
115	334519	Other measuring and controlling devices .....	29	4	2	3	7	7	23	43	48
116	334613	Magnetic and optical recording media .....	1	.....	.....	.....	.....	.....	.....	.....	1
117	335120	Lighting fixtures .....	1	.....	.....	.....	2	.....	1	4	8
118	335211	Electric housewares and household fans .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
119	335212	Household vacuum cleaners .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
120	335221	Household cooking appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
121	335222	Household refrigerators and home freezers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
122	335224	Household laundry equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	335228	Other major household appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers .....	6	.....	1	1	3	3	3	9	4
125	335312	Motors and generators .....	33	3	3	3	9	8	22	55	49
126	335313	Switchgear and switchboard apparatus .....	16	2	3	1	5	5	7	25	17
127	335314	Relays and industrial controls .....	5	2	2	2	3	6	12	50	9
128	335911	Storage batteries .....	.....	.....	1	1	1	2	3	13	1
129	335929	Other communication and energy wire .....	1	.....	.....	.....	.....	.....	.....	1	1
130	335931	Current-carrying wiring Devices .....	.....	.....	.....	.....	.....	.....	.....	.....	1
131	335999	Miscellaneous electrical equipment .....	41	5	2	2	11	11	16	46	59
132	336110	Automobiles and light trucks .....	44	45	31	36	46	63	134	204	49
133	336120	Heavy duty trucks .....	10	3	3	2	7	7	7	27	21
134	336211	Motor vehicle bodies .....	.....	.....	1	1	1	1	2	6	2
135	336212	Truck trailers .....	1	.....	1	.....	1	1	2	7	7
136	336213	Motor homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	336214	Travel trailers and campers .....	1	.....	.....	.....	.....	.....	.....	1	1
138	336360	Motor vehicle seating and interior trim .....	.....	.....	.....	.....	.....	.....	.....	.....	4
139	336411	Aircraft .....	1	.....	.....	.....	2	.....	.....	1	290
140	336412	Aircraft engines and engine parts .....	.....	.....	.....	.....	.....	.....	.....	.....	8
141	336414	Guided missiles and space vehicles .....	2	.....	.....	.....	.....	.....	.....	.....	59
142	336500	Railroad rolling stock .....	2	2	.....	.....	1	1	4	6	3
143	336611	Ship building and repairing .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
144	336612	Boat building .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
145	336991	Motorcycles, bicycles, and parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
146	336999	All other transportation equipment .....	4	.....	.....	.....	.....	2	1	2	1
147	337110	Wood kitchen cabinets and countertops .....	2	.....	.....	.....	1	1	1	2	3
148	337121	Upholstered household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	337127	Institutional furniture .....	5	3	2	1	2	3	7	25	21
153	337211	Wood office furniture .....	19	5	2	2	3	5	9	19	31
154	337212	Custom architectural woodwork and millwork .....	1	.....	.....	.....	.....	.....	.....	1	1
155	337214	Office furniture, except wood .....	45	10	2	3	8	9	19	48	75
156	337215	Showcases, partitions, shelving, and lockers .....	23	6	6	7	9	10	29	60	33
157	337910	Mattresses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades .....	1	.....	.....	.....	.....	.....	.....	1	2
159	339111	Laboratory apparatus and furniture .....	47	3	1	2	7	6	33	46	76
160	339112	Surgical and medical instruments .....	1	.....	.....	.....	.....	.....	1	.....	.....
161	339113	Surgical appliances and supplies .....	1	.....	.....	.....	.....	.....	1	1	2
162	339114	Dental equipment and supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	339920	Sporting and athletic goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
164	339942	Lead pencils and art goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	339950	Sign manufacturing .....	7	2	1	1	2	2	2	9	6
166	339992	Musical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167	339999	All other miscellaneous manufactured products .....	3	2	1	1	2	3	5	12	7
168	420000	Wholesale trade .....	252	64	32	46	84	144	499	860	496
169	4A0000	Retail trade .....	74	18	8	10	25	30	154	150	128
170	481000	Air transportation .....	10	2	.....	1	5	8	61	91	35
171	482000	Rail transportation .....	.....	.....	.....	.....	.....	.....	4	6	1
172	483000	Water transportation .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
173	484000	Truck transportation .....	7	1	.....	.....	1	4	29	59	24
174	511200	Software publishers .....	200	41	10	10	29	41	288	403	321
175	513300	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services .....	92	17	16	17	38	60	172	435	205
178	541511	Custom computer programming services .....	1,165	244	45	51	148	171	553	1,168	2,037
179	541512	Computer systems design services .....	34	8	2	2	8	9	12	40	58
180	S00300	Noncomparable imports .....	10	2	1	1	2	3	5	14	18
		<b>Total new equipment, software, and structures .....</b>	<b>5,173</b>	<b>1,033</b>	<b>519</b>	<b>616</b>	<b>1,288</b>	<b>2,027</b>	<b>7,169</b>	<b>11,741</b>	<b>9,613</b>

Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Other transportation equipment manufacturing	Furniture and related product manufacturing	Medical equipment and supplies manufacturing	Other miscellaneous manufacturing	Wholesale trade	Retail trade	Air transportation	Rail transportation	Water transportation
			336B	3370	3391	3399	4200	4A00	4810	4820	4830
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....	9	15	14	12	3,107	5,691			
13	233524	New garages and service stations construction.....						1,176			
14	233525	Other new nonfarm buildings construction.....							640		
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....								667	
20	233533	New electric utility construction.....		1							
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	4	20	3	6	155	26,276	101	31	
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....							497		
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....	142	255	235	227					
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....								3,838	
40	233722	New office building construction.....	42	67	63	77	1,277	913	94	176	
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	1	3	4	4	141	333	20	2	1
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....		5			1	42			
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....		1			3				
48	332212	Hand and edge tools.....		12			2	2			
49	332213	Saw blades and handsaws.....	1	8			2	2			1
50	332313	Plate work.....		1			1	1			
51	332322	Sheet metal work.....					2	1	29		
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	2	13	4	6	273	239	2		38
54	332420	Metal tanks, heavy gauge.....	10	14	12	14	103	126	33	8	10
55	332430	Metal cans, boxes, and other containers.....					10	10		2	3
56	332500	Hardware.....					14	24			
57	332910	Metal valves.....	6	8	6	7	41	18	28	1	2
58	332996	Fabricated pipe and pipe fittings.....	4				3			1	
59	332999	Miscellaneous fabricated metal products.....	2	1	1	2	31	85	1	1	
60	333111	Farm machinery and equipment.....		1	1	1	8	19	8	21	3
61	333112	Lawn and garden equipment.....	2	8	5	7	99	126	30	28	12
62	333120	Construction machinery.....	12	11	10	11	263	182	19	40	34
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....	3	302		36	1	4			
66	333220	Plastics and rubber industry machinery.....	9	25	36	157					
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....		1	1	4	13	9	2		
70	333294	Food product machinery.....					50	47			1
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....	3	29	3	3				1	
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....					151	284			
74	333313	Office machinery.....	2	3	3	4	200	335	14	2	1
75	333314	Optical instruments and lenses.....	2		37	6	53	23	3	3	
76	333315	Photographic and photocopying equipment.....	7	9	13	10	396	510	86	9	4
77	333319	Other commercial and service machinery.....	2	3	2	4	149	719	35	9	2
78	333411	Air purification equipment.....	3	8	3	4	5	8	9	3	1
79	333412	Industrial and commercial fans and blowers.....	3	8	5	5	47	38	12	4	2
80	333415	A/C, refrigeration, and forced air heating equipment.....	2	5	6	4	124	475	76	3	3
81	333511	Industrial molds.....	22	74	94	222					
82	333512	Metal cutting machine tools.....	47	52	54	94	170	100	35	42	1
83	333513	Metal forming machine tools.....	21	20	26	32	52	2		31	
84	333514	Special tools, dies, jigs, and fixtures.....	142	30	105	66	202	11	1	148	
85	33351A	Rolling mill and other metalworking machinery.....	65	73	77	85	195				
86	333611	Turbine and turbine generator set units.....					4				
87	333618	Other engine equipment.....	3	4	3	4	48	19	5	23	14
88	333911	Pumps and pumping equipment.....	19	19	19	20	40	16	7	7	2
89	333912	Air and gas compressors.....	20	9	14	12	174	207	33	18	7
90	333913	Measuring and dispensing pumps.....	3	3	3	3	69	215	29	20	11
91	333922	Conveyors and conveying equipment.....	55	88	64	84	179	107	361	22	50
92	333923	Overhead cranes, hoists, and monorail systems.....	9	4	4	4	126	109	58	11	9

Structures to Using Industries, I-O Commodities, 1997—Continued  
of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Other transportation equipment manufacturing	Furniture and related product manufacturing	Medical equipment and supplies manufacturing	Other miscellaneous manufacturing	Wholesale trade	Retail trade	Air transportation	Rail transportation	Water transportation
			336B	3370	3391	3399	4200	4A00	4810	4820	4830
93	333924	Industrial trucks, trailers, and stackers .....	16	28	8	17	487	192	480	33	48
94	333991	Power-driven handtools .....	10	15	7	11	82	60	14	18	4
95	333992	Welding and soldering equipment .....	44	34	30	33	152	42	7	35	2
96	333993	Packaging machinery .....	12	25	34	33	292	.....	.....	.....	.....
97	333994	Industrial process furnaces and ovens .....	8	.....	4	13	13	2	.....	.....	.....
98	333996	Fluid power pumps and motors .....	1	1	1	1	13	9	32	1	1
99	33399A	Scales, balances, and miscellaneous general purpose machinery .....	12	15	19	20	53	86	61	9	1
100	334111	Electronic computers .....	62	61	109	87	1,093	1,503	446	152	58
101	334112	Computer storage devices .....	14	16	24	20	498	709	115	30	11
102	334113	Computer terminals .....	1	2	2	2	35	82	4	1	2
103	334119	Other computer peripheral equipment .....	22	28	48	34	842	1,602	314	29	20
104	334210	Telephone apparatus .....	6	7	10	9	1,648	1,362	430	107	25
105	334220	Broadcast and wireless communications equipment .....	9	6	13	10	134	344	408	85	73
106	334290	Other communications equipment .....	1	1	2	2	53	89	4	3	.....
107	334300	Audio and video equipment .....	1	2	2	2	48	47	2	1	1
108	334510	Electromedical apparatus .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	334511	Search, detection, and navigation instruments .....	.....	.....	.....	.....	1	.....	8,203	.....	1,706
110	334513	Industrial process variable instruments .....	22	.....	.....	.....	.....	.....	.....	.....	.....
111	334514	Totalizing fluid meters and counting devices .....	3	9	3	10	40	39	3	3	2
112	334515	Electricity and signal testing instruments .....	40	7	27	2	19	.....	40	26	10
113	334516	Analytical laboratory instruments .....	19	17	54	25	10	.....	.....	.....	.....
114	334517	Irradiation apparatus .....	1	1	33	1	7	.....	84	.....	.....
115	334519	Other measuring and controlling devices .....	9	7	12	10	83	11	7	10	2
116	334613	Magnetic and optical recording media .....	.....	.....	.....	.....	9	5	1	.....	.....
117	335120	Lighting fixtures .....	2	.....	.....	.....	79	25	2	4	.....
118	335211	Electric housewares and household fans .....	.....	.....	.....	.....	.....	1	.....	.....	.....
119	335212	Household vacuum cleaners .....	.....	.....	.....	.....	2	2	.....	.....	.....
120	335221	Household cooking appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
121	335222	Household refrigerators and home freezers .....	.....	.....	.....	.....	.....	9	.....	.....	.....
122	335224	Household laundry equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	335228	Other major household appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers .....	2	2	3	2	7	11	3	.....	.....
125	335312	Motors and generators .....	11	6	10	7	28	17	56	11	7
126	335313	Switchgear and switchboard apparatus .....	5	5	5	5	50	23	7	7	3
127	335314	Relays and industrial controls .....	10	11	6	10	89	41	3	8	10
128	335911	Storage batteries .....	1	3	1	2	11	18	2	1	.....
129	335929	Other communication and energy wire .....	.....	1	.....	.....	.....	.....	.....	.....	.....
130	335931	Current-carrying wiring Devices .....	.....	.....	.....	.....	1	.....	.....	1	.....
131	335999	Miscellaneous electrical equipment .....	12	5	7	9	85	146	19	28	1
132	336110	Automobiles and light trucks .....	62	88	19	39	6,650	5,789	651	70	113
133	336120	Heavy duty trucks .....	7	18	13	13	863	357	584	119	2
134	336211	Motor vehicle bodies .....	2	6	3	3	310	135	27	21	8
135	336212	Truck trailers .....	3	11	4	5	691	253	38	9	.....
136	336213	Motor homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	336214	Travel trailers and campers .....	.....	1	.....	1	50	139	1	.....	.....
138	336360	Motor vehicle seating and interior trim .....	.....	.....	.....	.....	.....	.....	343	.....	.....
139	336411	Aircraft .....	.....	.....	3	1	17	4	11,851	.....	.....
140	336412	Aircraft engines and engine parts .....	.....	.....	.....	.....	.....	.....	391	.....	.....
141	336414	Guided missiles and space vehicles .....	.....	.....	.....	.....	.....	.....	1	.....	.....
142	336500	Railroad rolling stock .....	1	1	1	2	.....	.....	.....	4,343	.....
143	336611	Ship building and repairing .....	3	.....	.....	.....	.....	.....	.....	.....	1,212
144	336612	Boat building .....	2	.....	.....	.....	.....	.....	.....	.....	344
145	336991	Motorcycles, bicycles, and parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
146	336999	All other transportation equipment .....	1	2	2	1	13	3	6	.....	.....
147	337110	Wood kitchen cabinets and countertops .....	1	1	1	1	44	105	3	.....	.....
148	337121	Upholstered household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal .....	.....	.....	.....	.....	.....	1	.....	.....	.....
152	337127	Institutional furniture .....	4	3	4	5	173	261	79	17	10
153	337211	Wood office furniture .....	4	5	8	8	90	41	39	7	1
154	337212	Custom architectural woodwork and millwork .....	.....	1	1	1	19	45	1	.....	.....
155	337214	Office furniture, except wood .....	8	12	20	17	541	620	114	13	7
156	337215	Showcases, partitions, shelving, and lockers .....	13	23	19	22	564	2,047	41	6	9
157	337910	Mattresses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades .....	.....	1	1	1	27	63	2	.....	.....
159	339111	Laboratory apparatus and furniture .....	8	4	12	5	26	.....	.....	.....	.....
160	339112	Surgical and medical instruments .....	.....	.....	5	.....	8	.....	1	.....	.....
161	339113	Surgical appliances and supplies .....	.....	1	1	1	.....	41	2	.....	.....
162	339114	Dental equipment and supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	339920	Sporting and athletic goods .....	.....	.....	.....	.....	.....	.....	1	.....	.....
164	339942	Lead pencils and art goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	339950	Sign manufacturing .....	2	5	5	5	359	2,613	24	4	4
166	339992	Musical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167	339999	All other miscellaneous manufactured products .....	2	4	3	4	61	98	10	3	1
168	420000	Wholesale trade .....	107	186	152	173	2,426	2,651	2,032	274	304
169	4A0000	Retail trade .....	26	46	35	36	1,088	1,421	224	73	116
170	481000	Air transportation .....	6	6	8	10	105	178	160	22	21
171	482000	Rail transportation .....	.....	1	.....	.....	91	94	25	34	2
172	483000	Water transportation .....	.....	.....	.....	.....	.....	1	.....	.....	.....
173	484000	Truck transportation .....	4	7	3	5	262	491	70	32	12
174	511200	Software publishers .....	51	40	69	86	1,684	1,071	557	131	54
175	513300	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services .....	54	60	58	68	563	1,076	1,062	291	101
178	541511	Custom computer programming services .....	170	90	275	135	2,011	740	1,400	178	115
179	541512	Computer systems design services .....	6	8	12	10	260	292	83	13	4
180	S00300	Noncomparable imports .....	2	2	4	2	51	40	31	4	1
		<b>Total new equipment, software, and structures .....</b>	<b>1,584</b>	<b>2,161</b>	<b>2,145</b>	<b>2,285</b>	<b>32,991</b>	<b>65,676</b>	<b>32,840</b>	<b>11,440</b>	<b>4,639</b>

Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.	Truck transportation	Transit and ground passenger transportation	Pipeline transportation	Scenic and sightseeing transportation and support activities for transportation	Couriers and messengers	Warehousing and storage	Newspaper, book, and directory publishers	Software publishers	Motion picture and sound recording industries
			4840	4850	4860	48A0	4920	4930	5111	5112	5120
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....	18					37	283		110
13	233524	New garages and service stations construction.....	142	114			112				
14	233525	Other new nonfarm buildings construction.....									54
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									568
19	233532	New railroad facilities construction.....				220					
20	233533	New electric utility construction.....							5		
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....			826						
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	71	29	1,070	13	81	25	22	41	38
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....	1,193					147			
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	53	27	1,512	64	61	29	256	440	270
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	11	4	1	2	5	6	15	5	11
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....									
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....						1	19	1	4
48	332212	Hand and edge tools.....									
49	332213	Saw blades and handsaws.....									
50	332313	Plate work.....									
51	332322	Sheet metal work.....									
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	3	1	12	14	10	5	10		2
54	332420	Metal tanks, heavy gauge.....	18	6	17	19	27	10	7	1	2
55	332430	Metal cans, boxes, and other containers.....	7			2	4	1			
56	332500	Hardware.....	1			1		1	1		
57	332910	Metal valves.....	7	1	13	11	14	3	5		1
58	332996	Fabricated pipe and pipe fittings.....			9						
59	332999	Miscellaneous fabricated metal products.....	5			2	2	3	1		1
60	333111	Farm machinery and equipment.....	13	4	3	2	5	4	1		1
61	333112	Lawn and garden equipment.....	33	7	8	22	7	13	8	1	6
62	333120	Construction machinery.....	15	3	26	5	5	3	1		
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....									
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....				1		2	338	9	4
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....	1								
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....				1		5			
74	333313	Office machinery.....	14	3	2	6	14	9	23	5	6
75	333314	Optical instruments and lenses.....			4		2	1	10	1	17
76	333315	Photographic and photocopying equipment.....	45	8	7	15	19	16	109	26	158
77	333319	Other commercial and service machinery.....	55	19	2	28	15	9	6	1	10
78	333411	Air purification equipment.....			2	2			1		1
79	333412	Industrial and commercial fans and blowers.....	32	8		5	10	3	5	1	2
80	333415	A/C, refrigeration, and forced air heating equipment.....	11	3		9	3	9	10	3	27
81	333511	Industrial molds.....									
82	333512	Metal cutting machine tools.....	42	8		5					
83	333513	Metal forming machine tools.....									
84	333514	Special tools, dies, jigs, and fixtures.....	1			7			12		
85	33351A	Rolling mill and other metalworking machinery.....									
86	333611	Turbine and turbine generator set units.....	1								
87	333618	Other engine equipment.....	56	54	6	12	15	7	3		
88	333911	Pumps and pumping equipment.....	43	10	2	4	11	3	2	1	
89	333912	Air and gas compressors.....	58	15	20	27	24	4	14	2	5
90	333913	Measuring and dispensing pumps.....	28	3	3	2	26	1	3		1
91	333922	Conveyors and conveying equipment.....	130			35	49	50	60		
92	333923	Overhead cranes, hoists, and monorail systems.....	58	12	12	25	26	3	3		

## Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.	Truck transportation	Transit and ground passenger transportation	Pipeline transportation	Scenic and sightseeing transportation and support activities for transportation	Couriers and messengers	Warehousing and storage	Newspaper, book, and directory publishers	Software publishers	Motion picture and sound recording industries
			4840	4850	4860	48A0	4920	4930	5111	5112	5120
93	333924	Industrial trucks, trailers, and stackers .....	489	25	3	68	66	139	24	.....	6
94	333991	Power-driven handtools .....	16	3	5	8	6	2	2	1	1
95	333992	Welding and soldering equipment .....	44	8	2	.....	7	.....	6	.....	.....
96	333993	Packaging machinery .....	.....	.....	.....	.....	8	41	64	.....	.....
97	333994	Industrial process furnaces and ovens .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
98	333996	Fluid power pumps and motors .....	11	1	.....	1	3	1	1	.....	1
99	33399A	Scales, balances, and miscellaneous general purpose machinery .....	55	.....	11	11	8	4	19	.....	.....
100	334111	Electronic computers .....	255	75	148	153	133	55	249	256	76
101	334112	Computer storage devices .....	98	15	14	41	35	26	76	78	26
102	334113	Computer terminals .....	4	1	.....	3	1	2	4	2	2
103	334119	Other computer peripheral equipment .....	114	29	83	72	61	47	133	76	54
104	334210	Telephone apparatus .....	314	98	139	82	97	53	98	295	80
105	334220	Broadcast and wireless communications equipment .....	308	141	21	109	143	21	108	32	242
106	334290	Other communications equipment .....	4	2	.....	2	2	1	6	4	4
107	334300	Audio and video equipment .....	9	1	.....	3	2	2	4	2	6
108	334510	Electromedical apparatus .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	334511	Search, detection, and navigation instruments .....	.....	.....	1,129	25	4	.....	.....	.....	.....
110	334513	Industrial process variable instruments .....	.....	.....	73	.....	.....	.....	.....	.....	.....
111	334514	Totalizing fluid meters and counting devices .....	34	8	13	3	8	3	2	.....	.....
112	334515	Electricity and signal testing instruments .....	16	11	17	10	8	1	9	5	15
113	334516	Analytical laboratory instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
114	334517	Irradiation apparatus .....	2	.....	6	8	13	1	.....	.....	.....
115	334519	Other measuring and controlling devices .....	14	2	7	2	1	1	1	1	1
116	334613	Magnetic and optical recording media .....	1	.....	.....	.....	.....	.....	1	4	.....
117	335120	Lighting fixtures .....	1	.....	.....	5	2	.....	1	2	.....
118	335211	Electric housewares and household fans .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
119	335212	Household vacuum cleaners .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
120	335221	Household cooking appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
121	335222	Household refrigerators and home freezers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
122	335224	Household laundry equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	335228	Other major household appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers .....	2	4	2	1	1	1	1	.....	.....
125	335312	Motors and generators .....	12	3	6	6	3	1	4	.....	2
126	335313	Switchgear and switchboard apparatus .....	16	3	10	7	7	4	5	.....	1
127	335314	Relays and industrial controls .....	43	6	.....	9	10	5	6	.....	3
128	335911	Storage batteries .....	89	.....	.....	4	20	14	1	.....	1
129	335929	Other communication and energy wire .....	1	1	.....	1	.....	1	1	1	1
130	335931	Current-carrying wiring Devices .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
131	335999	Miscellaneous electrical equipment .....	9	3	7	10	7	4	9	5	30
132	336110	Automobiles and light trucks .....	1,401	550	415	387	1,859	161	423	124	392
133	336120	Heavy duty trucks .....	4,033	928	18	207	200	8	2	.....	1
134	336211	Motor vehicle bodies .....	852	30	.....	24	145	15	18	.....	1
135	336212	Truck trailers .....	1,827	.....	.....	40	293	20	31	.....	1
136	336213	Motor homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	336214	Travel trailers and campers .....	2	.....	.....	2	120	3	7	.....	3
138	336360	Motor vehicle seating and interior trim .....	.....	.....	.....	6	2	.....	.....	.....	.....
139	336411	Aircraft .....	.....	.....	.....	128	282	5	1	2	.....
140	336412	Aircraft engines and engine parts .....	.....	.....	.....	12	4	.....	.....	.....	.....
141	336414	Guided missiles and space vehicles .....	.....	.....	.....	.....	1	.....	.....	.....	.....
142	336500	Railroad rolling stock .....	.....	83	.....	.....	.....	.....	.....	.....	.....
143	336611	Ship building and repairing .....	.....	.....	.....	31	.....	.....	.....	.....	1
144	336612	Boat building .....	.....	.....	.....	27	.....	.....	.....	.....	1
145	336991	Motorcycles, bicycles, and parts .....	.....	.....	.....	1	66	.....	.....	.....	.....
146	336999	All other transportation equipment .....	2	.....	14	17	.....	15	.....	.....	.....
147	337110	Wood kitchen cabinets and countertops .....	3	1	.....	2	1	2	4	2	3
148	337121	Upholstered household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	337127	Institutional furniture .....	34	7	7	20	17	6	47	4	105
153	337211	Wood office furniture .....	30	4	4	14	12	10	32	15	18
154	337212	Custom architectural woodwork and millwork .....	1	.....	.....	1	1	1	1	.....	1
155	337214	Office furniture, except wood .....	64	20	9	29	28	20	69	38	38
156	337215	Showcases, partitions, shelving, and lockers .....	43	6	2	20	19	40	39	14	23
157	337910	Mattresses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades .....	2	1	.....	1	1	1	2	1	2
159	339111	Laboratory apparatus and furniture .....	.....	.....	2	.....	.....	.....	.....	.....	.....
160	339112	Surgical and medical instruments .....	.....	.....	.....	.....	1	.....	.....	.....	1
161	339113	Surgical appliances and supplies .....	2	2	.....	.....	1	.....	.....	.....	.....
162	339114	Dental equipment and supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	339920	Sporting and athletic goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
164	339942	Lead pencils and art goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	339950	Sign manufacturing .....	14	2	2	10	4	23	29	8	28
166	339992	Musical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167	339999	All other miscellaneous manufactured products .....	24	5	.....	7	7	3	7	2	3
168	420000	Wholesale trade .....	1,436	249	276	236	404	148	366	162	199
169	4A0000	Retail trade .....	219	60	66	99	193	51	131	64	107
170	481000	Air transportation .....	21	1	15	3	6	3	14	6	4
171	482000	Rail transportation .....	83	13	3	6	24	4	4	1	3
172	483000	Water transportation .....	2	.....	.....	.....	.....	.....	.....	.....	.....
173	484000	Truck transportation .....	140	21	9	15	40	11	19	4	13
174	511200	Software publishers .....	79	42	205	180	648	38	189	331	132
175	513300	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services .....	170	43	20	40	46	38	77	29	53
178	541511	Custom computer programming services .....	185	87	252	168	213	58	394	1,281	108
179	541512	Computer systems design services .....	30	8	6	17	14	9	30	26	11
180	S00300	Noncomparable imports .....	7	2	2	4	3	1	6	8	2
<b>Total new equipment, software, and structures .....</b>			<b>14,832</b>	<b>2,944</b>	<b>6,580</b>	<b>2,960</b>	<b>5,858</b>	<b>1,534</b>	<b>4,010</b>	<b>3,425</b>	<b>3,105</b>



Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Radio and television broadcasting	Cable networks and program distribution	Telecommunications	Information services	Data processing services	Monetary authorities, credit intermediation and related activities	Securities, commodity contracts, investments	Insurance carriers and related activities	Funds, trusts, and other financial vehicles
			5131	5132	5133	5141	5142	52A0	5230	5240	5250
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....									
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....	902	1,606							
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....			457						
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	17	14	28	20	39	589	103	83	17
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....			851						
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....		3,294	7,077						
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	181	1,178	1,893	126	287	8,674	1,324	2,291	1,482
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	6	4	34	5	5	98	31	72	1
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....								6	
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....	1		1			2			
48	332212	Hand and edge tools.....									
49	332213	Saw blades and handsaws.....									
50	332313	Plate work.....									
51	332322	Sheet metal work.....									
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....					1	2			
54	332420	Metal tanks, heavy gauge.....	1	6	28		1	6	1	4	
55	332430	Metal cans, boxes, and other containers.....									
56	332500	Hardware.....			1			34	3	6	
57	332910	Metal valves.....	1	1	7			5	1	4	
58	332996	Fabricated pipe and pipe fittings.....			1						
59	332999	Miscellaneous fabricated metal products.....		3	20			2		1	
60	333111	Farm machinery and equipment.....	3	1	15	1		18	4	7	
61	333112	Lawn and garden equipment.....	5	4	47	2	1	76	9	40	1
62	333120	Construction machinery.....		106	262	1					
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....									
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....	32	3	7	16	8	27	4	9	
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....									
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....									
74	333313	Office machinery.....	5	7	115	3	7	177	40	89	1
75	333314	Optical instruments and lenses.....	17	4	7	2	1		1	2	
76	333315	Photographic and photocopying equipment.....	113	25	135	21	22	490	97	317	3
77	333319	Other commercial and service machinery.....	2	2	21	2	2	43	8	28	1
78	333411	Air purification equipment.....						3		2	
79	333412	Industrial and commercial fans and blowers.....		2	12		1	2		1	
80	333415	A/C, refrigeration, and forced air heating equipment.....	3	3	28	6	3	41	20	36	1
81	333511	Industrial molds.....									
82	333512	Metal cutting machine tools.....			3						
83	333513	Metal forming machine tools.....									
84	333514	Special tools, dies, jigs, and fixtures.....									
85	33351A	Rolling mill and other metalworking machinery.....									
86	333611	Turbine and turbine generator set units.....			3			4	4	4	
87	333618	Other engine equipment.....		14	35	1		3	1	1	
88	333911	Pumps and pumping equipment.....	1		5		1	3	1	2	
89	333912	Air and gas compressors.....	2	3	25	1	2	2	1	2	
90	333913	Measuring and dispensing pumps.....			1						
91	333922	Conveyors and conveying equipment.....									
92	333923	Overhead cranes, hoists, and monorail systems.....			81						

## Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.	Radio and television broadcasting	Cable networks and program distribution	Telecommunications	Information services	Data processing services	Monetary authorities, credit intermediation and related activities	Securities, commodity contracts, investments	Insurance carriers and related activities	Funds, trusts, and other financial vehicles
			Industry code	5131	5132	5133	5141	5142	52A0	5230	5240
93	333924	Industrial trucks, trailers, and stackers .....			8						
94	333991	Power-driven handtools .....	1	11	64		1	2	1	1	
95	333992	Welding and soldering equipment .....									
96	333993	Packaging machinery .....						2			
97	333994	Industrial process furnaces and ovens .....									
98	333996	Fluid power pumps and motors .....			1						
99	33399A	Scales, balances, and miscellaneous general purpose machinery .....									
100	334111	Electronic computers .....	102	642	1,930	89	156	4,585	1,625	1,641	21
101	334112	Computer storage devices .....	23	44	668	29	68	779	402	467	6
102	334113	Computer terminals .....	12	2	11	1	1	51	62	17	
103	334119	Other computer peripheral equipment .....	58	197	821	34	69	2,920	324	576	56
104	334210	Telephone apparatus .....	324	1,061	16,516	131	321	235	76	179	2
105	334220	Broadcast and wireless communications equipment .....	1,500	6,095	6,882	17	20	171	122	90	2
106	334290	Other communications equipment .....	4	1	20	2	3	55	18	34	1
107	334300	Audio and video equipment .....	2	3	12	2	1	35	9	19	
108	334510	Electromedical apparatus .....									
109	334511	Search, detection, and navigation instruments .....									
110	334513	Industrial process variable instruments .....									
111	334514	Totalizing fluid meters and counting devices .....									
112	334515	Electricity and signal testing instruments .....	6	168	857	3	11	20	9	7	1
113	334516	Analytical laboratory instruments .....			128						
114	334517	Irradiation apparatus .....			3		1		1	3	
115	334519	Other measuring and controlling devices .....	2	4	61	1	1	2		2	
116	334613	Magnetic and optical recording media .....	1		4	1	1	7	1	6	
117	335120	Lighting fixtures .....	2	3	184		1	2		1	
118	335211	Electric housewares and household fans .....								1	
119	335212	Household vacuum cleaners .....						2			
120	335221	Household cooking appliances .....									
121	335222	Household refrigerators and home freezers .....									
122	335224	Household laundry equipment .....									
123	335228	Other major household appliances .....									
124	335311	Electric power and specialty transformers .....			16			6	1	2	
125	335312	Motors and generators .....		1	20			2			
126	335313	Switchgear and switchboard apparatus .....	3	5	82		3	3	1	1	
127	335314	Relays and industrial controls .....									
128	335911	Storage batteries .....			1						
129	335929	Other communication and energy wire .....	1		167		1	6	4	4	
130	335931	Current-carrying wiring Devices .....			27						
131	335999	Miscellaneous electrical equipment .....	6	68	661	2	7	21	10	19	
132	336110	Automobiles and light trucks .....	336	266	3,471	87	93	1,189	455	2,477	16
133	336120	Heavy duty trucks .....	4	11	355			2		1	
134	336211	Motor vehicle bodies .....			1			2			
135	336212	Truck trailers .....		1	6			2			
136	336213	Motor homes .....									
137	336214	Travel trailers and campers .....	4	1	7						
138	336360	Motor vehicle seating and interior trim .....									
139	336411	Aircraft .....			14		1		7	17	1
140	336412	Aircraft engines and engine parts .....								1	
141	336414	Guided missiles and space vehicles .....									
142	336500	Railroad rolling stock .....									
143	336611	Ship building and repairing .....									
144	336612	Boat building .....						9			
145	336991	Motorcycles, bicycles, and parts .....									
146	336999	All other transportation equipment .....			2			2	1		
147	337110	Wood kitchen cabinets and countertops .....	2	1	11	1	1	29	10	21	
148	337121	Upholstered household furniture .....									
149	337122	Nonupholstered wood household furniture .....									
150	337124	Metal household furniture .....									
151	337125	Household furniture, except wood and metal .....									
152	337127	Institutional furniture .....	53	32	158	4	2	24	7	15	
153	337211	Wood office furniture .....	17	9	393	62	12	260	82	169	1
154	337212	Custom architectural woodwork and millwork .....	1	1	6	1	1	13	4	12	
155	337214	Office furniture, except wood .....	42	21	188	24	30	563	177	368	5
156	337215	Showcases, partitions, shelving, and lockers .....	16	10	84	9	9	229	67	154	1
157	337910	Mattresses .....									
158	337920	Blinds and shades .....	1		6		1	16	5	14	
159	339111	Laboratory apparatus and furniture .....			47						
160	339112	Surgical and medical instruments .....				2				48	1
161	339113	Surgical appliances and supplies .....									
162	339114	Dental equipment and supplies .....									
163	339920	Sporting and athletic goods .....			1	22		2			
164	339942	Lead pencils and art goods .....									
165	339950	Sign manufacturing .....	10	16	86	4	5	219	187	254	2
166	339992	Musical instruments .....						6			
167	339999	All other miscellaneous manufactured products .....	2	2	15	1	2	39	7	17	
168	420000	Wholesale trade .....	343	1,089	3,922	96	129	2,470	683	1,062	27
169	4A0000	Retail trade .....	85	138	950	46	49	1,249	335	616	12
170	481000	Air transportation .....	11	40	171	2	4	126	39	49	1
171	482000	Rail transportation .....	3	2	35	1	1	18	4	24	
172	483000	Water transportation .....									
173	484000	Truck transportation .....	11	21	164	1	2	86	34	75	
174	511200	Software publishers .....	235	442	2,977	53	255	3,403	320	790	154
175	513300	Telecommunications .....			5,532						
176	531210	Offices of real estate agents and brokers .....									
177	541330	Engineering services .....	155	661	2,361	19	25	332	93	135	1
178	541511	Custom computer programming services .....	218	156	3,341	334	779	3,215	1,028	3,597	36
179	541512	Computer systems design services .....	11	17	141	11	23	309	101	186	2
180	S00300	Noncomparable imports .....	4	4	44	3	6	74	20	58	1
		<b>Total new equipment, software, and structures .....</b>	<b>4,903</b>	<b>17,526</b>	<b>64,833</b>	<b>1,302</b>	<b>2,477</b>	<b>33,095</b>	<b>7,985</b>	<b>16,237</b>	<b>1,857</b>

Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.	Real estate (and owner occupied dwellings)	Automotive equipment rental and leasing	Consumer goods and general rental centers	Machinery and equipment rental and leasing	Lessors of nonfinancial intangible assets	Legal services	Accounting and book-keeping services	Architectural and engineering services	Specialized design services
			5310	5321	532A	5324	5330	5411	5412	5413	5414
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....	172,282								
6	233512	New residential 2-4 unit nonfarm construction.....	4,495								
7	233513	New residential garden apartments construction.....	14,360								
8	233514	New high-rise apartments construction.....	4,028								
9	233515	New nonfarm residential additions and alterations.....	53,349								
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....									
13	233524	New garages and service stations construction.....		83							
14	233525	Other new nonfarm buildings construction.....					16		13		5
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....									
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....	566								
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	244	5	404	41	10	214	41	14	40
27	233551	New farm housing units and additions and alterations.....	5,429								
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....	721								
33	233621	New industrial plants construction.....									
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....	22,093								
38	233703	Farm residential maintenance and repair and major replacement.....	1,402								
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	2,294	41	73	174	90	192	364	683	130
41	313230	Nonwoven fabric mills.....	1								
42	314110	Carpet and rug mills.....	865	5	23	4	1	32	19	31	5
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....	9,557		1	2					
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....	25								
47	326290	Other rubber products.....	37						1		19
48	332212	Hand and edge tools.....	2								
49	332213	Saw blades and handsaws.....	2							1	
50	332313	Plate work.....									
51	332322	Sheet metal work.....									
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	1	6	9	3			1	2	2
54	332420	Metal tanks, heavy gauge.....	36	11	8	4		1	2	29	
55	332430	Metal cans, boxes, and other containers.....			2	1					
56	332500	Hardware.....	6		2			10	5	1	
57	332910	Metal valves.....	67		5	3		1	1	6	
58	332996	Fabricated pipe and pipe fittings.....	1							1	
59	332999	Miscellaneous fabricated metal products.....	3		2				2	2	
60	333111	Farm machinery and equipment.....	194		9	2	1	7	2	5	2
61	333112	Lawn and garden equipment.....	1,164	2	37	14	1	12	5	36	3
62	333120	Construction machinery.....			21	9	1		2	24	
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....									
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....						1	2	81	385
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....									
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....			54	12					
74	333313	Office machinery.....	45	13	57	4	1	18	22	23	4
75	333314	Optical instruments and lenses.....			2	1		1	6	238	3
76	333315	Photographic and photocopying equipment.....	142	5	30	9	3	222	100	166	22
77	333319	Other commercial and service machinery.....	169	58	14	2	1	17	6	8	2
78	333411	Air purification equipment.....						1	1	2	
79	333412	Industrial and commercial fans and blowers.....	13	2	4	1			1	6	2
80	333415	A/C, refrigeration, and forced air heating equipment.....	33	7	27	3	1	18	6	34	3
81	333511	Industrial molds.....									
82	333512	Metal cutting machine tools.....		18		5					
83	333513	Metal forming machine tools.....									
84	333514	Special tools, dies, jigs, and fixtures.....				6					
85	33351A	Rolling mill and other metalworking machinery.....									
86	333611	Turbine and turbine generator set units.....									
87	333618	Other engine equipment.....		4	8	4		1	1	6	
88	333911	Pumps and pumping equipment.....		2	3	1			1	18	
89	333912	Air and gas compressors.....		32	11	6		1	2	69	13
90	333913	Measuring and dispensing pumps.....		7	5	3				1	
91	333922	Conveyors and conveying equipment.....									
92	333923	Overhead cranes, hoists, and monorail systems.....		26		7				8	

## Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Real estate (and owner occupied dwellings)	Automotive equipment rental and leasing	Consumer goods and general rental centers	Machinery and equip- ment rental and leasing	Lessors of nonfinancial intangible assets	Legal services	Accounting and book- keeping services	Architectural and engi- neering services	Specialized design services
			5310	5321	532A	5324	5330	5411	5412	5413	5414
93	333924	Industrial trucks, trailers, and stackers .....		33	3	26				15	
94	333991	Power-driven handtools .....	35	4	6	4		1		6	1
95	333992	Welding and soldering equipment .....		14		11					
96	333993	Packaging machinery .....			8	5					
97	333994	Industrial process furnaces and ovens .....									
98	333996	Fluid power pumps and motors .....		1	1	1				1	
99	33399A	Scales, balances, and miscellaneous general purpose machinery .....			6	1				29	
100	334111	Electronic computers .....	645	564	159	140	24	617	356	1,090	71
101	334112	Computer storage devices .....	193	196	54	13	6	218	147	236	18
102	334113	Computer terminals .....	8	1	5	1		11	5	11	2
103	334119	Other computer peripheral equipment .....	277	47	75	84	7	174	159	670	34
104	334210	Telephone apparatus .....	519	37	104	28	33	89	45	101	10
105	334220	Broadcast and wireless communications equipment .....	77	37	143	23	3	47	30	137	17
106	334290	Other communications equipment .....	13	1	8	1	1	17	10	30	2
107	334300	Audio and video equipment .....	171	2	11	1	1	12	6	7	3
108	334510	Electromedical apparatus .....									
109	334511	Search, detection, and navigation instruments .....			2						
110	334513	Industrial process variable instruments .....									
111	334514	Totalizing fluid meters and counting devices .....		2	2	1				1	
112	334515	Electricity and signal testing instruments .....		16	15	9		1	4	7	3
113	334516	Analytical laboratory instruments .....									9
114	334517	Irradiation apparatus .....								1	27
115	334519	Other measuring and controlling devices .....			2					1	127
116	334613	Magnetic and optical recording media .....						3		1	4
117	335120	Lighting fixtures .....	7		2	1				1	3
118	335211	Electric housewares and household fans .....	10					2			
119	335212	Household vacuum cleaners .....	9								
120	335221	Household cooking appliances .....	1,214								
121	335222	Household refrigerators and home freezers .....	1,242								
122	335224	Household laundry equipment .....	136								
123	335228	Other major household appliances .....	353								
124	335311	Electric power and specialty transformers .....						1	1	1	
125	335312	Motors and generators .....				1					
126	335313	Switchgear and switchboard apparatus .....		1	2	3					23
127	335314	Relays and industrial controls .....		1		2					
128	335911	Storage batteries .....				1					
129	335929	Other communication and energy wire .....		1	5					2	
130	335931	Current-carrying wiring Devices .....									
131	335999	Miscellaneous electrical equipment .....		2	17	38		7	4	48	2
132	336110	Automobiles and light trucks .....	1,939	40,440	893	283	6	275	287	1,036	97
133	336120	Heavy duty trucks .....	7	439	20	17		1	1	14	
134	336211	Motor vehicle bodies .....		1	30	12					
135	336212	Truck trailers .....		19	69	22					
136	336213	Motor homes .....		118							
137	336214	Travel trailers and campers .....	4	2	10	1					
138	336360	Motor vehicle seating and interior trim .....			2					1	
139	336411	Aircraft .....	6		118	27	1		5	6	
140	336412	Aircraft engines and engine parts .....			4	1				2	
141	336414	Guided missiles and space vehicles .....								4	
142	336500	Railroad rolling stock .....				15					
143	336611	Ship building and repairing .....			2	24					
144	336612	Boat building .....			5	194					
145	336991	Motorcycles, bicycles, and parts .....		1	3						
146	336999	All other transportation equipment .....	7		547				2	13	
147	337110	Wood kitchen cabinets and countertops .....	10	1	6	1		11	6	11	2
148	337121	Upholstered household furniture .....	85								
149	337122	Nonupholstered wood household furniture .....	114								
150	337124	Metal household furniture .....	23								
151	337125	Household furniture, except wood and metal .....	5								
152	337127	Institutional furniture .....	121	12	19	7		3	2	18	17
153	337211	Wood office furniture .....	84	4	22	4	1	88	52	2	41
154	337212	Custom architectural woodwork and millwork .....	4	1	4			4	2	5	
155	337214	Office furniture, except wood .....	137	10	37	9	5	158	110	30	24
156	337215	Showcases, partitions, shelving, and lockers .....	49	15	62	8	2	68	39	71	11
157	337910	Mattresses .....	45								
158	337920	Blinds and shades .....	6	1	5			6	2	6	
159	339111	Laboratory apparatus and furniture .....								311	
160	339112	Surgical and medical instruments .....									
161	339113	Surgical appliances and supplies .....									
162	339114	Dental equipment and supplies .....									
163	339920	Sporting and athletic goods .....	37					1	1		
164	339942	Lead pencils and art goods .....									
165	339950	Sign manufacturing .....	84	24	124	7	1	5	7	19	10
166	339992	Musical instruments .....			1						
167	339999	All other miscellaneous manufactured products .....	16	2	7	1		9	5	11	2
168	420000	Wholesale trade .....	1,674	2,369	280	127	15	403	248	813	185
169	4A0000	Retail trade .....	6,953	2,477	314	95	5	217	134	357	45
170	481000	Air transportation .....	25	12	7	3		14	8	38	7
171	482000	Rail transportation .....	41	316	16	2		3	3	11	1
172	483000	Water transportation .....		7							
173	484000	Truck transportation .....	298	590	49	7		10	9	30	5
174	511200	Software publishers .....	449	92	75	103	31	390	202	990	97
175	513300	Telecommunications .....									
176	531210	Offices of real estate agents and brokers .....	5,480								
177	541330	Engineering services .....	35	20	45	17	2	54	30	101	49
178	541511	Custom computer programming services .....	369	57	98	58	53	172	1,196	5,103	91
179	541512	Computer systems design services .....	70	5	17	4	2	87	62	184	10
180	S00300	Noncomparable imports .....	13	1	2	1	1	13	25	51	2
		<b>Total new equipment, software, and structures .....</b>	<b>316,725</b>	<b>48,323</b>	<b>4,334</b>	<b>1,766</b>	<b>311</b>	<b>3,960</b>	<b>3,821</b>	<b>13,312</b>	<b>1,507</b>

Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.	Computer systems design and related services	Management and technical consulting services	Scientific research and development services	Advertising and related services	Other professional and technical services	Management of companies and enterprises	Employment services	Travel arrangement and reservation services	All other administrative and support services
			5415	5416	5417	5418	5419	5500	5613	5615	561A
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....									
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....	23			15	11	25	8	1	53
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....									
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	17	49	69	46	46	42	24	25	245
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....									
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	1,022	439	468	175	225	1,134	79	38	1,015
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	13	12	10	11	5	32	9	5	119
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....									
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....	1	3	1	14	1	2	1		14
48	332212	Hand and edge tools.....					2				6
49	332213	Saw blades and handsaws.....		1							5
50	332313	Plate work.....									
51	332322	Sheet metal work.....									
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	1	3	2	3	1	2	32		23
54	332420	Metal tanks, heavy gauge.....	2	2	6	3	18	2	5		92
55	332430	Metal cans, boxes, and other containers.....			1		1				2
56	332500	Hardware.....	1	1	1	1		8			6
57	332910	Metal valves.....	2	1	6	2	1	2	1		20
58	332996	Fabricated pipe and pipe fittings.....			1						4
59	332999	Miscellaneous fabricated metal products.....	1	1	1	1		1	1		10
60	333111	Farm machinery and equipment.....	2	3	3	2	2	7	2	2	489
61	333112	Lawn and garden equipment.....	3	8	8	10	2	14	5	3	597
62	333120	Construction machinery.....	1	3	2	3	55	3	2	1	106
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....									
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....	11	13	5	48	17	10	5	1	43
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....									
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....	1								17
74	333313	Office machinery.....	12	13	6	17	5	30	8	5	112
75	333314	Optical instruments and lenses.....	4	36	82	3	29	28	3		41
76	333315	Photographic and photocopying equipment.....	71	50	43	57	170	193	34	7	219
77	333319	Other commercial and service machinery.....	2	4	4	5	3	14	5	2	381
78	333411	Air purification equipment.....	1	1	1	1		1	2		73
79	333412	Industrial and commercial fans and blowers.....	2	1	2	2	1	1	2		13
80	333415	A/C, refrigeration, and forced air heating equipment.....	9	9	17	7	3	18	5	3	75
81	333511	Industrial molds.....									
82	333512	Metal cutting machine tools.....									1
83	333513	Metal forming machine tools.....									
84	333514	Special tools, dies, jigs, and fixtures.....									
85	33351A	Rolling mill and other metalworking machinery.....									
86	333611	Turbine and turbine generator set units.....			1						
87	333618	Other engine equipment.....	1	1	1	1	11	1	2		38
88	333911	Pumps and pumping equipment.....	3	2	3	1	4	2	1		13
89	333912	Air and gas compressors.....	9	6	12	14	3	5	2		48
90	333913	Measuring and dispensing pumps.....	1	1	1	1	1	1	1		3
91	333922	Conveyors and conveying equipment.....									
92	333923	Overhead cranes, hoists, and monorail systems.....			3	2	3				16

## Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Computer systems design and related services	Management and technical consulting services	Scientific research and development services	Advertising and related services	Other professional and technical services	Management of companies and enterprises	Employment services	Travel arrangement and reservation services	All other administrative and support services
			5415	5416	5417	5418	5419	5500	5613	5615	561A
93	333924	Industrial trucks, trailers, and stackers .....			7	6	8				78
94	333991	Power-driven handtools .....	1	1	2	2	7	1	1		55
95	333992	Welding and soldering equipment .....									
96	333993	Packaging machinery .....									
97	333994	Industrial process furnaces and ovens .....			3						1
98	333996	Fluid power pumps and motors .....			1	1			1		4
99	33399A	Scales, balances, and miscellaneous general purpose machinery .....			6						1
100	334111	Electronic computers .....	717	268	249	201	83	669	102	83	909
101	334112	Computer storage devices .....	200	96	70	56	26	244	45	19	403
102	334113	Computer terminals .....	4	4	3	3	1	11	2	1	22
103	334119	Other computer peripheral equipment .....	309	116	111	86	36	245	66	26	411
104	334210	Telephone apparatus .....	1,001	78	66	149	55	115	82	80	756
105	334220	Broadcast and wireless communications equipment .....	11	56	58	44	24	73	21	28	257
106	334290	Other communications equipment .....	11	8	6	5	2	19	3	1	20
107	334300	Audio and video equipment .....	3	4	3	7	2	12	3	1	44
108	334510	Electromedical apparatus .....									
109	334511	Search, detection, and navigation instruments .....	1	4	1		1	3			
110	334513	Industrial process variable instruments .....									
111	334514	Totalizing fluid meters and counting devices .....				1			1		3
112	334515	Electricity and signal testing instruments .....	1	13	2	3	5	12			19
113	334516	Analytical laboratory instruments .....	1	1	226			1			2
114	334517	Irradiation apparatus .....	2	6	11		1	4	2		7
115	334519	Other measuring and controlling devices .....	2	46	46	1	1	7	1		7
116	334613	Magnetic and optical recording media .....	8	1	1	1	1	3	1		3
117	335120	Lighting fixtures .....	7	1	2	3		1			10
118	335211	Electric housewares and household fans .....						1			
119	335212	Household vacuum cleaners .....									43
120	335221	Household cooking appliances .....									
121	335222	Household refrigerators and home freezers .....									
122	335224	Household laundry equipment .....									
123	335228	Other major household appliances .....									
124	335311	Electric power and specialty transformers .....	1	1	1	1		1			4
125	335312	Motors and generators .....			9	1					8
126	335313	Switchgear and switchboard apparatus .....	5		7			1			16
127	335314	Relays and industrial controls .....	1		2	1					2
128	335911	Storage batteries .....				1					
129	335929	Other communication and energy wire .....	1		1	1	1	2	1	1	4
130	335931	Current-carrying wiring Devices .....	1								2
131	335999	Miscellaneous electrical equipment .....	23	12	17	5	1	14	3	2	76
132	336110	Automobiles and light trucks .....	312	366	240	305	170	526	145	26	1,899
133	336120	Heavy duty trucks .....	1	1	1	1	5	1	1		19
134	336211	Motor vehicle bodies .....					3				
135	336212	Truck trailers .....									2
136	336213	Motor homes .....									
137	336214	Travel trailers and campers .....					3				24
138	336360	Motor vehicle seating and interior trim .....									1
139	336411	Aircraft .....	4	10	5	11	19	7			69
140	336412	Aircraft engines and engine parts .....					1				2
141	336414	Guided missiles and space vehicles .....	1		7						
142	336500	Railroad rolling stock .....									
143	336611	Ship building and repairing .....					4		1	1	1
144	336612	Boat building .....					1			1	
145	336991	Motorcycles, bicycles, and parts .....									
146	336999	All other transportation equipment .....		1	2		28	1		3	5
147	337110	Wood kitchen cabinets and countertops .....	4	4	3	3	1	11	2	1	16
148	337121	Upholstered household furniture .....									
149	337122	Nonupholstered wood household furniture .....									
150	337124	Metal household furniture .....									
151	337125	Household furniture, except wood and metal .....									
152	337127	Institutional furniture .....	7	7	5	23	10	7	3	2	56
153	337211	Wood office furniture .....	4	32	22	24	10	89	17	10	105
154	337212	Custom architectural woodwork and millwork .....	2	1	1	1	1	5	1	1	7
155	337214	Office furniture, except wood .....	105	72	58	55	22	181	41	9	238
156	337215	Showcases, partitions, shelving, and lockers .....	31	27	21	27	13	71	26	9	170
157	337910	Mattresses .....									
158	337920	Blinds and shades .....	4	2	2	2	1	6	2	1	23
159	339111	Laboratory apparatus and furniture .....		25	49		10	15			1
160	339112	Surgical and medical instruments .....									43
161	339113	Surgical appliances and supplies .....									
162	339114	Dental equipment and supplies .....									
163	339920	Sporting and athletic goods .....		3	1			2		2	1
164	339942	Lead pencils and art goods .....									
165	339950	Sign manufacturing .....	15	16	6	27	7	17	6	18	132
166	339992	Musical instruments .....									
167	339999	All other miscellaneous manufactured products .....	5	3	3	3	3	9	3	1	39
168	420000	Wholesale trade .....	456	223	227	188	138	473	104	51	1,325
169	4A0000	Retail trade .....	173	105	84	98	77	246	54	25	1,088
170	481000	Air transportation .....	18	5	6	7	1	16	2	1	51
171	482000	Rail transportation .....	3	3	2	3	1	5	1		24
172	483000	Water transportation .....									
173	484000	Truck transportation .....	9	8	5	9	8	14	3	2	120
174	511200	Software publishers .....	637	238	149	165	85	451	179	19	528
175	513300	Telecommunications .....									
176	531210	Offices of real estate agents and brokers .....									
177	541330	Engineering services .....	28	32	42	27	36	63	15	5	334
178	541511	Custom computer programming services .....	3,801	1,011	1,167	256	108	1,407	180	80	1,197
179	541512	Computer systems design services .....	75	40	37	23	10	102	17	9	119
180	S00300	Noncomparable imports .....	24	10	12	4	2	27	3	2	24
		<b>Total new equipment, software, and structures .....</b>	<b>9,246</b>	<b>3,624</b>	<b>3,828</b>	<b>2,286</b>	<b>1,654</b>	<b>6,768</b>	<b>1,380</b>	<b>615</b>	<b>14,729</b>

Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Waste management and remediation services	Educational services	Ambulatory health care services	Hospitals	Nursing and residential care facilities	Social assistance	Performing arts, spectator sports, museums, zoos, and parks	Amusement, gambling, and recreation
			5620	6100	6210	6220	6230	6240	71A0	7130
1	212291	Uranium, radium and vanadium ore mining .....	.....	.....	.....	.....	.....	.....	.....	.....
2	213111	Drilling oil and gas wells .....	.....	.....	.....	.....	.....	.....	.....	.....
3	213112	Support activities for oil and gas operations .....	.....	.....	.....	.....	.....	.....	.....	.....
4	21311A	Support activities for other mining .....	.....	.....	.....	.....	.....	.....	.....	.....
5	233511	New residential 1-unit structures, nonfarm construction .....	.....	.....	.....	.....	.....	.....	.....	.....
6	233512	New residential 2-4 unit nonfarm construction .....	.....	.....	.....	.....	.....	.....	.....	.....
7	233513	New residential garden apartments construction .....	.....	.....	.....	.....	.....	.....	.....	.....
8	233514	New high-rise apartments construction .....	.....	.....	.....	.....	.....	.....	.....	.....
9	233515	New nonfarm residential additions and alterations .....	.....	.....	.....	.....	.....	.....	.....	.....
10	233516	New hotels and motels construction .....	.....	.....	.....	.....	.....	.....	.....	.....
11	233517	New dormitory and other group housing construction .....	.....	787	.....	.....	.....	.....	.....	.....
12	233523	New warehouse construction .....	.....	.....	.....	.....	.....	.....	.....	.....
13	233524	New garages and service stations construction .....	.....	.....	.....	.....	.....	.....	.....	.....
14	233525	Other new nonfarm buildings construction .....	.....	27	1	107	.....	8	34	55
15	233526	New religious facilities construction .....	.....	.....	.....	.....	.....	.....	.....	.....
16	233527	New hospital construction .....	.....	.....	195	10,640	.....	.....	.....	.....
17	233528	New residential institutional and other health facilities .....	.....	.....	.....	2,114	2,148	.....	.....	.....
18	233529	New amusement and recreation facilities construction .....	.....	.....	.....	.....	.....	.....	1,088	2,391
19	233532	New railroad facilities construction .....	.....	.....	.....	.....	.....	.....	.....	.....
20	233533	New electric utility construction .....	.....	21	.....	30	.....	.....	.....	.....
21	233534	New gas utility facilities construction .....	.....	.....	.....	.....	.....	.....	.....	.....
22	233535	New petroleum pipelines construction .....	.....	.....	.....	.....	.....	.....	.....	.....
23	233536	New water supply facilities construction .....	.....	.....	.....	.....	.....	.....	.....	.....
24	233543	New academic facilities construction .....	.....	8,975	.....	.....	.....	.....	511	.....
25	233544	New libraries, museums and cultural facilities construction .....	.....	333	.....	.....	.....	.....	6	.....
26	233545	New commercial structures .....	208	65	76	11	145	119	272	469
27	233551	New farm housing units and additions and alterations .....	.....	.....	.....	.....	.....	.....	.....	.....
28	233552	New farm service facilities construction .....	.....	.....	.....	.....	.....	.....	.....	.....
29	233572	New dams and reservoir construction .....	.....	.....	.....	.....	.....	.....	.....	.....
30	233573	Other new conservation and development construction .....	.....	.....	.....	.....	.....	.....	.....	.....
31	233574	Other new nonbuilding construction .....	.....	.....	.....	.....	.....	.....	.....	411
32	233612	New highways, bridges and other horizontal construction .....	.....	.....	.....	.....	.....	.....	.....	.....
33	233621	New industrial plants construction .....	.....	.....	.....	.....	.....	.....	.....	.....
34	233624	New waste treatment plants construction .....	968	.....	.....	.....	.....	.....	.....	.....
35	233625	New sewer facilities construction .....	.....	.....	.....	.....	.....	.....	.....	.....
36	233631	New telephone and telegraph construction .....	.....	.....	.....	.....	.....	.....	.....	.....
37	233701	Residential maintenance and repair construction .....	.....	.....	.....	.....	.....	.....	.....	.....
38	233703	Farm residential maintenance and repair and major replacement .....	.....	.....	.....	.....	.....	.....	.....	.....
39	233706	Railroad maintenance and repair construction .....	.....	.....	.....	.....	.....	.....	.....	.....
40	233722	New office building construction .....	369	157	2,004	228	879	1,054	431	524
41	313230	Nonwoven fabric mills .....	.....	.....	.....	.....	.....	.....	.....	.....
42	314110	Carpet and rug mills .....	4	31	57	112	29	20	15	9
43	321920	Wood containers and pallets .....	.....	.....	.....	.....	.....	.....	.....	.....
44	321991	Manufactured homes, mobile homes .....	.....	.....	.....	.....	.....	.....	.....	.....
45	325180	Other basic inorganic chemicals .....	.....	.....	.....	.....	.....	.....	.....	.....
46	3261A0	Foam products .....	.....	.....	.....	.....	.....	.....	.....	.....
47	326290	Other rubber products .....	.....	.....	.....	.....	.....	.....	2	.....
48	332212	Hand and edge tools .....	.....	.....	.....	.....	.....	.....	.....	.....
49	332213	Saw blades and handsaws .....	1	1	.....	1	.....	.....	1	1
50	332313	Plate work .....	.....	.....	.....	.....	.....	.....	.....	.....
51	332322	Sheet metal work .....	.....	6	.....	8	6	1	.....	6
52	332323	Ornamental and architectural metal work .....	.....	.....	.....	.....	.....	.....	.....	.....
53	332410	Power boilers and heat exchangers .....	2	.....	.....	4	.....	4	5	3
54	332420	Metal tanks, heavy gauge .....	25	7	4	11	3	5	4	9
55	332430	Metal cans, boxes, and other containers .....	1	.....	.....	.....	.....	.....	.....	.....
56	332500	Hardware .....	.....	2	1	2	2	1	1	3
57	332910	Metal valves .....	9	6	2	16	5	2	5	11
58	332996	Fabricated pipe and pipe fittings .....	4	1	.....	3	.....	.....	.....	.....
59	332999	Miscellaneous fabricated metal products .....	4	1	1	5	2	2	1	4
60	333111	Farm machinery and equipment .....	7	3	7	8	7	4	29	11
61	333112	Lawn and garden equipment .....	21	46	14	90	41	30	53	46
62	333120	Construction machinery .....	90	11	.....	.....	2	1	3	2
63	333131	Mining machinery and equipment .....	.....	.....	.....	.....	.....	.....	.....	.....
64	333132	Oil and gas field machinery and equipment .....	.....	.....	.....	.....	.....	.....	.....	.....
65	333210	Sawmill and woodworking machinery .....	.....	3	.....	.....	.....	.....	.....	.....
66	333220	Plastics and rubber industry machinery .....	.....	.....	.....	.....	.....	.....	.....	.....
67	333291	Paper industry machinery .....	.....	.....	.....	.....	.....	.....	.....	.....
68	333292	Textile machinery .....	.....	.....	.....	.....	.....	.....	.....	.....
69	333293	Printing machinery and equipment .....	1	7	2	5	2	5	8	1
70	333294	Food product machinery .....	.....	2	.....	10	9	2	11	8
71	333295	Semiconductor machinery .....	.....	.....	.....	.....	.....	.....	.....	.....
72	333298	All other industrial machinery .....	13	.....	.....	.....	.....	.....	.....	.....
73	33331A	Automatic vending, commercial laundry and drycleaning machinery .....	1	1	4	48	71	2	11	55
74	333313	Office machinery .....	4	25	33	43	12	9	13	14
75	333314	Optical instruments and lenses .....	7	20	364	298	5	1	4	1
76	333315	Photographic and photocopying equipment .....	10	85	220	468	51	69	20	5
77	333319	Other commercial and service machinery .....	12	281	37	146	78	26	2	159
78	333411	Air purification equipment .....	3	6	14	82	9	3	.....	3
79	333412	Industrial and commercial fans and blowers .....	5	3	2	5	1	.....	.....	4
80	333415	A/C, refrigeration, and forced air heating equipment .....	3	75	45	153	44	51	7	25
81	333511	Industrial molds .....	.....	.....	.....	.....	.....	.....	.....	.....
82	333512	Metal cutting machine tools .....	.....	.....	.....	.....	.....	.....	.....	.....
83	333513	Metal forming machine tools .....	.....	.....	.....	.....	.....	.....	.....	.....
84	333514	Special tools, dies, jigs, and fixtures .....	.....	.....	.....	.....	.....	.....	.....	.....
85	33351A	Rolling mill and other metalworking machinery .....	.....	.....	.....	.....	.....	.....	.....	.....
86	333611	Turbine and turbine generator set units .....	23	.....	.....	1	.....	.....	.....	.....
87	333618	Other engine equipment .....	9	14	4	14	.....	3	4	9
88	333911	Pumps and pumping equipment .....	5	5	4	9	2	1	1	9
89	333912	Air and gas compressors .....	20	6	3	10	1	2	2	4
90	333913	Measuring and dispensing pumps .....	5	1	1	3	.....	.....	.....	.....
91	333922	Conveyors and conveying equipment .....	15	3	.....	.....	.....	14	.....	3
92	333923	Overhead cranes, hoists, and monorail systems .....	18	4	2	13	1	1	.....	5

## Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Waste management and remediation services	Educational services	Ambulatory health care services	Hospitals	Nursing and residential care facilities	Social assistance	Performing arts, spectator sports, museums, zoos, and parks	Amusement, gambling, and recreation
			5620	6100	6210	6220	6230	6240	71A0	7130
93	333924	Industrial trucks, trailers, and stackers .....	33	11	4	12	1	1	3	2
94	333991	Power-driven handtools.....	9	7	1	10	3	1	2	3
95	333992	Welding and soldering equipment.....	.....	5	.....	.....	.....	.....	.....	.....
96	333993	Packaging machinery.....	.....	.....	.....	.....	.....	.....	.....	.....
97	333994	Industrial process furnaces and ovens .....	6	3	.....	.....	.....	.....	.....	.....
98	333996	Fluid power pumps and motors.....	1	1	.....	.....	.....	.....	.....	3
99	33399A	Scales, balances, and miscellaneous general purpose machinery .....	7	3	.....	15	3	1	.....	6
100	334111	Electronic computers .....	79	711	442	793	78	101	130	83
101	334112	Computer storage devices .....	21	86	192	330	30	45	43	30
102	334113	Computer terminals.....	1	11	12	27	4	4	4	4
103	334119	Other computer peripheral equipment .....	34	220	266	521	48	50	79	68
104	334210	Telephone apparatus.....	74	64	160	418	30	24	26	27
105	334220	Broadcast and wireless communications equipment .....	49	57	146	153	61	45	112	38
106	334290	Other communications equipment .....	1	4	24	47	7	6	1	4
107	334300	Audio and video equipment.....	2	17	21	32	16	13	11	24
108	334510	Electromedical apparatus .....	.....	362	854	4,968	111	1	.....	.....
109	334511	Search, detection, and navigation instruments .....	.....	2	4	1	.....	.....	1	.....
110	334513	Industrial process variable instruments.....	25	.....	.....	.....	.....	.....	.....	.....
111	334514	Totalizing fluid meters and counting devices .....	3	3	1	1	.....	1	.....	3
112	334515	Electricity and signal testing instruments .....	21	13	7	10	6	2	1	.....
113	334516	Analytical laboratory instruments .....	.....	27	126	215	.....	.....	1	.....
114	334517	Irradiation apparatus.....	3	166	717	1,432	1	.....	.....	.....
115	334519	Other measuring and controlling devices.....	20	15	2	7	1	1	.....	.....
116	334613	Magnetic and optical recording media .....	.....	3	4	7	1	.....	.....	.....
117	335120	Lighting fixtures.....	3	2	1	1	.....	.....	.....	3
118	335211	Electric housewares and household fans .....	.....	1	1	1	.....	.....	.....	.....
119	335212	Household vacuum cleaners.....	.....	4	1	6	4	1	.....	.....
120	335221	Household cooking appliances .....	.....	.....	.....	.....	1	.....	.....	.....
121	335222	Household refrigerators and home freezers.....	.....	2	.....	2	2	.....	.....	1
122	335224	Household laundry equipment .....	.....	51	.....	.....	27	10	.....	.....
123	335228	Other major household appliances .....	.....	3	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers .....	3	3	2	6	2	1	.....	.....
125	335312	Motors and generators.....	4	5	1	6	.....	1	.....	.....
126	335313	Switchgear and switchboard apparatus .....	19	7	2	13	2	2	.....	.....
127	335314	Relays and industrial controls .....	6	.....	.....	2	.....	.....	.....	.....
128	335911	Storage batteries.....	3	1	.....	1	.....	.....	.....	.....
129	335929	Other communication and energy wire .....	.....	1	4	7	2	.....	.....	2
130	335931	Current-carrying wiring Devices.....	.....	.....	.....	.....	.....	.....	.....	.....
131	335999	Miscellaneous electrical equipment .....	11	9	19	38	10	4	1	.....
132	336110	Automobiles and light trucks .....	478	72	452	494	108	113	66	84
133	336120	Heavy duty trucks.....	296	38	21	13	6	36	2	5
134	336211	Motor vehicle bodies .....	59	7	.....	.....	.....	2	.....	1
135	336212	Truck trailers.....	116	4	.....	.....	.....	3	5	2
136	336213	Motor homes.....	.....	.....	.....	.....	.....	.....	3	2
137	336214	Travel trailers and campers .....	1	2	.....	.....	.....	.....	4	7
138	336360	Motor vehicle seating and interior trim .....	.....	.....	2	.....	.....	.....	.....	.....
139	336411	Aircraft.....	4	2	69	.....	3	.....	6	.....
140	336412	Aircraft engines and engine parts .....	.....	.....	3	.....	.....	.....	.....	.....
141	336414	Guided missiles and space vehicles .....	.....	.....	.....	.....	.....	.....	.....	.....
142	336500	Railroad rolling stock.....	.....	.....	.....	.....	.....	.....	.....	.....
143	336611	Ship building and repairing .....	.....	1	.....	.....	.....	.....	4	3
144	336612	Boat building .....	.....	3	.....	.....	.....	.....	6	8
145	336991	Motorcycles, bicycles, and parts.....	.....	1	.....	.....	.....	.....	4	5
146	336999	All other transportation equipment.....	7	6	.....	9	6	2	7	176
147	337110	Wood kitchen cabinets and countertops .....	1	13	13	29	5	5	.....	.....
148	337121	Upholstered household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal .....	.....	.....	.....	.....	.....	.....	.....	.....
152	337127	Institutional furniture.....	11	188	3	104	24	6	46	69
153	337211	Wood office furniture.....	7	9	53	20	5	2	24	10
154	337212	Custom architectural woodwork and millwork .....	.....	1	6	9	1	2	.....	8
155	337214	Office furniture, except wood .....	15	72	172	81	45	83	53	24
156	337215	Showcases, partitions, shelving, and lockers.....	9	39	89	185	26	35	9	18
157	337910	Mattresses .....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades.....	.....	5	14	22	6	5	.....	5
159	339111	Laboratory apparatus and furniture .....	3	69	147	152	.....	.....	.....	.....
160	339112	Surgical and medical instruments.....	.....	546	1,482	6,684	492	.....	.....	2
161	339113	Surgical appliances and supplies.....	.....	19	242	1,457	100	.....	.....	.....
162	339114	Dental equipment and supplies.....	.....	63	700	8	.....	.....	.....	.....
163	339920	Sporting and athletic goods.....	.....	346	3	28	.....	25	138	5
164	339942	Lead pencils and art goods.....	.....	8	.....	.....	.....	2	.....	431
165	339950	Sign manufacturing .....	5	2	26	50	33	25	15	23
166	339992	Musical instruments .....	.....	64	.....	2	1	9	17	13
167	339999	All other miscellaneous manufactured products .....	3	2	17	34	11	5	16	456
168	420000	Wholesale trade .....	207	920	1,612	3,809	313	183	150	406
169	4A0000	Retail trade .....	77	357	230	487	103	105	151	182
170	481000	Air transportation.....	2	28	41	116	9	3	3	8
171	482000	Rail transportation.....	8	5	5	9	1	2	.....	10
172	483000	Water transportation .....	.....	.....	.....	.....	.....	.....	.....	.....
173	484000	Truck transportation .....	20	21	31	79	13	10	8	71
174	511200	Software publishers.....	62	955	552	709	65	131	9	4
175	513300	Telecommunications.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers .....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services .....	39	102	412	1,247	103	43	21	63
178	541511	Custom computer programming services .....	172	547	430	1,258	92	124	25	31
179	541512	Computer systems design services .....	9	40	85	110	12	15	16	18
180	S00300	Noncomparable imports.....	2	11	16	28	3	4	1	2
		<b>Total new equipment, software, and structures.....</b>	<b>3,916</b>	<b>17,472</b>	<b>13,039</b>	<b>41,014</b>	<b>5,617</b>	<b>2,849</b>	<b>3,635</b>	<b>6,708</b>



Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Accommodation	Food services and drinking places	Automotive repair and maintenance	Electronic, commercial, and household goods repair	Personal and laundry services	Religious, grantmaking and giving, and social advocacy organizations	Civic, social, professional and similar organizations	Total
			7210	7220	8111	811A	8120	813A	813B	
1	212291	Uranium, radium and vanadium ore mining .....	.....	.....	.....	.....	.....	.....	.....	39
2	213111	Drilling oil and gas wells .....	.....	.....	.....	.....	.....	.....	.....	9,604
3	213112	Support activities for oil and gas operations .....	.....	.....	.....	.....	.....	.....	.....	11,697
4	21311A	Support activities for other mining .....	.....	.....	.....	.....	.....	.....	.....	1,196
5	233511	New residential 1-unit structures, nonfarm construction .....	.....	.....	.....	.....	.....	.....	.....	172,282
6	233512	New residential 2-4 unit nonfarm construction .....	.....	.....	.....	.....	.....	.....	.....	4,495
7	233513	New residential garden apartments construction .....	.....	.....	.....	.....	.....	.....	.....	14,360
8	233514	New high-rise apartments construction .....	.....	.....	.....	.....	.....	.....	.....	4,028
9	233515	New nonfarm residential additions and alterations .....	.....	.....	.....	.....	.....	.....	.....	53,349
10	233516	New hotels and motels construction .....	15,966	.....	.....	.....	.....	.....	.....	15,966
11	233517	New dormitory and other group housing construction .....	3	.....	.....	.....	.....	.....	.....	790
12	233523	New warehouse construction .....	.....	3	.....	.....	.....	.....	.....	10,865
13	233524	New garages and service stations construction .....	.....	.....	890	.....	.....	.....	.....	2,599
14	233525	Other new nonfarm buildings construction .....	5	621	344	14	77	12	8	5,459
15	233526	New religious facilities construction .....	.....	.....	.....	.....	.....	5,623	.....	5,623
16	233527	New hospital construction .....	.....	.....	.....	.....	.....	.....	.....	10,835
17	233528	New residential institutional and other health facilities .....	.....	.....	.....	.....	.....	.....	.....	4,262
18	233529	New amusement and recreation facilities construction .....	24	.....	.....	.....	.....	.....	.....	4,071
19	233532	New railroad facilities construction .....	.....	.....	.....	.....	.....	.....	.....	887
20	233533	New electric utility construction .....	.....	.....	.....	.....	.....	.....	.....	17,763
21	233534	New gas utility facilities construction .....	.....	.....	.....	.....	.....	.....	.....	6,384
22	233535	New petroleum pipelines construction .....	.....	.....	.....	.....	.....	.....	.....	835
23	233536	New water supply facilities construction .....	.....	.....	.....	.....	.....	.....	.....	1,764
24	233543	New academic facilities construction .....	.....	.....	.....	.....	.....	.....	.....	9,486
25	233544	New libraries, museums and cultural facilities construction .....	.....	.....	.....	.....	.....	.....	.....	339
26	233545	New commercial structures .....	53	4,705	9	41	106	25	88	37,590
27	233551	New farm housing units and additions and alterations .....	.....	.....	.....	.....	.....	.....	.....	5,429
28	233552	New farm service facilities construction .....	.....	.....	.....	.....	.....	.....	.....	3,815
29	233572	New dams and reservoir construction .....	.....	.....	.....	.....	.....	.....	.....	444
30	233573	Other new conservation and development construction .....	.....	.....	.....	.....	.....	.....	.....	265
31	233574	Other new nonbuilding construction .....	.....	.....	.....	.....	.....	.....	.....	1,049
32	233612	New highways, bridges and other horizontal construction .....	.....	.....	.....	.....	.....	.....	.....	721
33	233621	New industrial plants construction .....	.....	.....	.....	.....	.....	.....	.....	24,833
34	233624	New waste treatment plants construction .....	.....	.....	.....	.....	.....	.....	.....	1,051
35	233625	New sewer facilities construction .....	.....	.....	.....	.....	.....	.....	.....	401
36	233631	New telephone and telegraph construction .....	.....	.....	.....	.....	.....	.....	.....	10,371
37	233701	Residential maintenance and repair construction .....	.....	.....	.....	.....	.....	.....	.....	22,093
38	233703	Farm residential maintenance and repair and major replacement .....	.....	.....	.....	.....	.....	.....	.....	1,402
39	233706	Railroad maintenance and repair construction .....	.....	.....	.....	.....	.....	.....	.....	3,838
40	233722	New office building construction .....	57	88	56	198	822	210	754	46,510
41	313230	Nonwoven fabric mills .....	.....	.....	.....	.....	.....	.....	.....	1
42	314110	Carpet and rug mills .....	27	239	5	4	21	40	11	2,905
43	321920	Wood containers and pallets .....	.....	.....	.....	.....	.....	.....	.....	0
44	321991	Manufactured homes, mobile homes .....	.....	124	.....	.....	.....	.....	.....	9,842
45	325180	Other basic inorganic chemicals .....	.....	.....	.....	.....	.....	.....	.....	2,040
46	3261A0	Foam products .....	2	.....	.....	.....	.....	.....	.....	27
47	326290	Other rubber products .....	7	1	.....	.....	1	.....	.....	239
48	332212	Hand and edge tools .....	1	.....	.....	.....	1	1	.....	58
49	332213	Saw blades and handsaws .....	1	.....	.....	.....	.....	1	.....	244
50	332313	Plate work .....	.....	.....	.....	.....	1	.....	.....	48
51	332322	Sheet metal work .....	7	196	.....	1	.....	3	.....	295
52	332323	Ornamental and architectural metal work .....	.....	.....	.....	.....	.....	.....	.....	121
53	332410	Power boilers and heat exchangers .....	1	5	22	3	4	3	.....	1,435
54	332420	Metal tanks, heavy gauge .....	10	8	32	6	12	9	2	2,280
55	332430	Metal cans, boxes, and other containers .....	1	6	.....	.....	1	.....	.....	346
56	332500	Hardware .....	4	44	1	1	1	5	1	212
57	332910	Metal valves .....	4	7	3	5	5	14	3	1,442
58	332996	Fabricated pipe and pipe fittings .....	1	.....	.....	2	.....	.....	.....	441
59	332999	Miscellaneous fabricated metal products .....	4	21	2	1	1	3	.....	412
60	333111	Farm machinery and equipment .....	3	7	1	1	9	7	5	12,831
61	333112	Lawn and garden equipment .....	6	40	14	15	57	25	21	4,379
62	333120	Construction machinery .....	4	3	2	5	13	.....	.....	13,555
63	333131	Mining machinery and equipment .....	.....	.....	.....	.....	.....	.....	.....	1,855
64	333132	Oil and gas field machinery and equipment .....	.....	.....	.....	.....	.....	.....	.....	1,093
65	333210	Sawmill and woodworking machinery .....	.....	.....	.....	10	.....	3	.....	1,229
66	333220	Plastics and rubber industry machinery .....	.....	.....	.....	.....	1	.....	1	3,298
67	333291	Paper industry machinery .....	.....	.....	.....	.....	.....	.....	.....	2,527
68	333292	Textile machinery .....	.....	.....	.....	.....	.....	.....	.....	2,104
69	333293	Printing machinery and equipment .....	1	.....	.....	.....	3	.....	10	2,857
70	333294	Food product machinery .....	10	245	.....	.....	.....	21	1	2,142
71	333295	Semiconductor machinery .....	.....	.....	.....	.....	.....	.....	.....	6,349
72	333298	All other industrial machinery .....	.....	.....	1	2	.....	.....	.....	5,855
73	33331A	Automatic vending, commercial laundry and drycleaning machinery .....	34	26	2	2	168	8	.....	1,204
74	333313	Office machinery .....	14	89	14	5	15	21	8	2,202
75	333314	Optical instruments and lenses .....	1	.....	1	23	58	.....	.....	1,946
76	333315	Photographic and photocopying equipment .....	32	22	9	7	301	161	31	6,761
77	333319	Other commercial and service machinery .....	97	1,662	293	6	21	69	14	5,230
78	333411	Air purification equipment .....	15	7	1	1	3	9	1	683
79	333412	Industrial and commercial fans and blowers .....	3	7	10	4	8	1	.....	680
80	333415	A/C, refrigeration, and forced air heating equipment .....	78	2,074	18	3	19	42	10	4,401
81	333511	Industrial molds .....	.....	.....	.....	.....	.....	.....	.....	5,665
82	333512	Metal cutting machine tools .....	.....	.....	202	30	.....	.....	.....	6,260
83	333513	Metal forming machine tools .....	.....	.....	6	12	.....	.....	.....	2,121
84	333514	Special tools, dies, jigs, and fixtures .....	.....	.....	27	56	.....	.....	.....	7,819
85	33351A	Rolling mill and other metalworking machinery .....	.....	.....	.....	.....	.....	.....	.....	3,483
86	333611	Turbine and turbine generator set units .....	.....	1	.....	.....	.....	1	1	2,019
87	333618	Other engine equipment .....	22	9	1	1	5	2	.....	1,403
88	333911	Pumps and pumping equipment .....	4	8	2	1	3	3	1	3,330
89	333912	Air and gas compressors .....	3	5	179	11	9	2	1	3,423
90	333913	Measuring and dispensing pumps .....	1	.....	.....	.....	.....	.....	.....	959
91	333922	Conveyors and conveying equipment .....	.....	6	.....	.....	22	.....	.....	5,062
92	333923	Overhead cranes, hoists, and monorail systems .....	6	.....	95	8	5	.....	.....	2,153

## Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Accom-	Food	Automotive	Electronic,	Personal and	Religious,	Civic, social,	Total
			modation	services and drinking places	repair and maintenance	commercial, and household goods repair	laundry services	grantmaking and giving, and social advocacy organizations	professional and similar organizations	
			7210	7220	8111	811A	8120	813A	813B	
93	333924	Industrial trucks, trailers, and stackers .....	5	2	13	4	1	.....	.....	4,794
94	333991	Power-driven handtools.....	6	6	36	16	3	6	1	2,346
95	333992	Welding and soldering equipment.....	.....	.....	150	23	.....	.....	.....	2,398
96	333993	Packaging machinery.....	.....	.....	.....	.....	.....	.....	.....	3,848
97	333994	Industrial process furnaces and ovens .....	.....	1	.....	.....	3	.....	.....	2,406
98	333996	Fluid power pumps and motors.....	1	2	5	1	2	1	.....	231
99	33399A	Scales, balances, and miscellaneous general purpose machinery .....	1	42	2	.....	4	1	.....	3,591
100	334111	Electronic computers .....	92	97	81	58	141	128	84	34,230
101	334112	Computer storage devices .....	39	48	35	24	42	100	34	9,763
102	334113	Computer terminals.....	3	11	2	1	4	8	2	634
103	334119	Other computer peripheral equipment .....	64	146	39	27	64	103	43	16,826
104	334210	Telephone apparatus.....	91	81	14	7	33	61	17	29,736
105	334220	Broadcast and wireless communications equipment .....	17	18	13	16	36	99	29	20,901
106	334290	Other communications equipment .....	3	10	2	1	4	11	4	756
107	334300	Audio and video equipment.....	14	117	5	2	9	25	6	942
108	334510	Electromedical apparatus .....	.....	.....	.....	.....	.....	.....	.....	6,296
109	334511	Search, detection, and navigation instruments .....	.....	.....	.....	.....	.....	.....	.....	11,279
110	334513	Industrial process variable instruments.....	.....	.....	.....	.....	.....	.....	.....	4,622
111	334514	Totalizing fluid meters and counting devices .....	2	6	1	1	2	.....	.....	1,213
112	334515	Electricity and signal testing instruments .....	7	10	40	29	2	1	.....	6,859
113	334516	Analytical laboratory instruments .....	.....	.....	.....	.....	1	.....	.....	3,682
114	334517	Irradiation apparatus.....	.....	.....	1	.....	1	.....	.....	2,665
115	334519	Other measuring and controlling devices .....	2	2	2	2	2	2	.....	2,233
116	334613	Magnetic and optical recording media .....	1	1	1	.....	1	1	.....	100
117	335120	Lighting fixtures.....	1	1	.....	26	.....	1	1	468
118	335211	Electric housewares and household fans .....	2	64	.....	.....	.....	1	.....	87
119	335212	Household vacuum cleaners.....	11	5	.....	.....	1	5	.....	98
120	335221	Household cooking appliances .....	1	8	.....	.....	.....	1	.....	1,225
121	335222	Household refrigerators and home freezers.....	2	44	.....	.....	.....	1	.....	1,306
122	335224	Household laundry equipment .....	23	.....	.....	.....	52	7	1	307
123	335228	Other major household appliances .....	7	.....	.....	.....	.....	.....	.....	363
124	335311	Electric power and specialty transformers .....	3	9	2	1	1	4	.....	2,605
125	335312	Motors and generators.....	3	2	4	4	6	1	.....	1,507
126	335313	Switchgear and switchboard apparatus .....	5	15	3	5	5	1	.....	1,875
127	335314	Relays and industrial controls .....	.....	5	6	2	6	.....	.....	1,174
128	335911	Storage batteries.....	.....	.....	.....	.....	.....	.....	.....	350
129	335929	Other communication and energy wire .....	1	.....	1	1	1	1	.....	245
130	335931	Current-carrying wiring Devices .....	.....	.....	.....	5	.....	.....	.....	67
131	335999	Miscellaneous electrical equipment .....	13	41	3	72	8	7	2	3,652
132	336110	Automobiles and light trucks .....	492	1,134	2,016	517	654	531	47	128,124
133	336120	Heavy duty trucks.....	12	3	4	4	19	18	4	13,836
134	336211	Motor vehicle bodies .....	.....	102	15	.....	16	1	.....	2,351
135	336212	Truck trailers.....	2	190	26	.....	29	1	.....	4,941
136	336213	Motor homes.....	.....	.....	.....	.....	.....	.....	.....	123
137	336214	Travel trailers and campers .....	9	13	1	.....	1	7	.....	497
138	336360	Motor vehicle seating and interior trim .....	.....	.....	.....	.....	.....	.....	.....	363
139	336411	Aircraft.....	.....	.....	.....	.....	.....	1	.....	13,401
140	336412	Aircraft engines and engine parts .....	.....	.....	.....	.....	.....	.....	.....	436
141	336414	Guided missiles and space vehicles .....	.....	.....	.....	.....	.....	.....	.....	81
142	336500	Railroad rolling stock.....	.....	.....	.....	.....	.....	.....	.....	5,291
143	336611	Ship building and repairing .....	.....	.....	.....	.....	.....	6	18	1,824
144	336612	Boat building .....	18	.....	.....	.....	.....	2	8	644
145	336991	Motorcycles, bicycles, and parts.....	7	.....	1	.....	.....	.....	.....	89
146	336999	All other transportation equipment.....	81	6	2	.....	8	2	4	1,566
147	337110	Wood kitchen cabinets and countertops .....	5	79	1	1	4	10	2	580
148	337121	Upholstered household furniture .....	376	.....	.....	.....	.....	.....	.....	461
149	337122	Nonupholstered wood household furniture .....	511	.....	.....	.....	.....	.....	.....	625
150	337124	Metal household furniture .....	110	40	.....	.....	.....	.....	.....	173
151	337125	Household furniture, except wood and metal .....	13	12	.....	.....	.....	.....	.....	31
152	337127	Institutional furniture.....	142	909	93	28	8	206	15	3,957
153	337211	Wood office furniture.....	19	30	12	5	19	22	20	2,712
154	337212	Custom architectural woodwork and millwork.....	2	23	1	1	4	4	1	243
155	337214	Office furniture, except wood .....	37	57	20	12	42	51	41	6,429
156	337215	Showcases, partitions, shelving, and lockers.....	34	368	19	11	29	67	18	6,260
157	337910	Mattresses .....	173	.....	.....	.....	.....	.....	.....	218
158	337920	Blinds and shades.....	6	54	1	1	5	6	2	380
159	339111	Laboratory apparatus and furniture .....	.....	.....	.....	.....	.....	.....	.....	1,692
160	339112	Surgical and medical instruments .....	.....	.....	.....	.....	.....	.....	.....	9,349
161	339113	Surgical appliances and supplies.....	.....	.....	.....	.....	.....	.....	.....	1,913
162	339114	Dental equipment and supplies.....	.....	.....	.....	.....	.....	.....	.....	771
163	339920	Sporting and athletic goods.....	14	.....	.....	.....	.....	.....	.....	1,065
164	339942	Lead pencils and art goods.....	.....	.....	.....	.....	.....	2	.....	12
165	339950	Sign manufacturing .....	12	140	18	10	62	27	18	5,269
166	339992	Musical instruments .....	1	3	.....	.....	66	6	2	185
167	339999	All other miscellaneous manufactured products .....	75	287	5	3	58	10	3	1,713
168	420000	Wholesale trade .....	348	1,585	364	121	300	305	85	6,757.1
169	4A0000	Retail trade .....	379	638	193	75	198	324	67	30,822
170	481000	Air transportation.....	3	41	19	5	10	6	1	2,854
171	482000	Rail transportation.....	9	36	17	4	7	6	.....	1,579
172	483000	Water transportation .....	.....	.....	.....	.....	.....	.....	.....	19
173	484000	Truck transportation .....	40	174	49	10	32	23	3	5,967
174	511200	Software publishers.....	54	261	77	50	130	51	70	31,736
175	513300	Telecommunications.....	.....	.....	.....	.....	.....	.....	.....	5,532
176	531210	Offices of real estate agents and brokers .....	.....	.....	.....	.....	.....	.....	.....	5,480
177	541330	Engineering services .....	141	710	95	33	79	74	6	20,823
178	541511	Custom computer programming services .....	144	82	33	106	68	292	106	63,511
179	541512	Computer systems design services .....	17	51	10	8	19	30	14	3,987
180	S00300	Noncomparable imports.....	4	7	2	2	3	8	3	998
		<b>Total new equipment, software, and structures .....</b>	<b>20,222</b>	<b>18,108</b>	<b>5,796</b>	<b>1,814</b>	<b>4,012</b>	<b>9,063</b>	<b>1,754</b>	<b>1,324,220</b>

Table 2. Distribution of New Equipment and Software

[Millions of dollars at

NIPA line	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Crop production	Animal production	Forestry and logging	Fishing, hunting and trapping	Agriculture and forestry support activities	Oil and gas extraction	Coal mining	Metal ores mining	Nonmetallic mineral mining and quarrying	Support activities for mining
		1110	1120	1130	1140	1150	2110	2121	2122	2123	2130
<b>Equipment and software <sup>1</sup></b>											
4	Computers and peripheral equipment .....	345	138	19	2	39	536	78	92	124	280
9	Office and accounting equipment .....	3	1	1		3	5				5
5	Software .....	127	145	7		6	783	24	196	258	536
6	Communication equipment .....	59	19	8	12	20	78	12	14	22	45
7a	Nonmedical instruments and related equipment .....	81	25	15		9	575	103	147	89	538
8	Photocopy and related equipment .....	13	10			2	88	5	13	9	32
11	Fabricated metal products .....	213	201	15	1	18	130	44	8	46	86
12	Engines and turbines .....	235	78	5	5	4	105	31	8	18	44
13	Metalworking machinery .....	1					155	44	13	14	47
14	Special industry machinery, n.e.c. ....			8		2				2	
15	General industrial, including materials handling, equipment .....	600	228	38	7	26	326	362	176	302	649
16	Electrical transmission, distribution, and industrial apparatus .....	29	35	4		5	68	39	23	43	140
7b	Medical instruments and related equipment .....	2				1					
7c	Electromedical equipment .....										
19	Autos .....	165	155	6	4	3	106	34	28	60	103
20	Aircraft .....			2		34	327		16		
21	Ships and boats .....				37		492				6
22	Railroad equipment .....							548			
24	Furniture and fixtures .....	50	16	7		11	96	23	23	44	68
26	Agricultural machinery, including tractors <sup>2</sup> .....	11,875	3,008			522					
27	Construction machinery, including tractors <sup>2</sup> .....	265	85	493	7	15	212	509	378	703	1,085
28	Mining and oilfield machinery .....						1,379	818	547	578	1,007
29	Service industry machinery .....	25	9	3		4	24	49	6	31	11
30	Electrical equipment, n.e.c. ....	2	1			2	68	4	84	4	2
31	Other nonresidential equipment .....	1,269	694	7	8	20	100	16	18	59	75
18a	Light trucks .....	6,213	5,820	39		4	204	29	430	52	309
18b	Trucks, other than light, buses and trailers .....	773	703	153		16	117	213	109	285	125
33	Residential (landlord durables) .....										
	<b>Total new equipment and software .....</b>	<b>22,345</b>	<b>11,371</b>	<b>830</b>	<b>83</b>	<b>766</b>	<b>5,974</b>	<b>2,985</b>	<b>2,329</b>	<b>2,743</b>	<b>5,193</b>
<b>Structures <sup>3</sup></b>											
5	Industrial buildings .....						2,577	239	167	61	1
6	Commercial buildings .....			5			40	14	17	15	15
9	Religious buildings .....										
10	Educational buildings .....										
11	Hospital and institutional buildings .....										
12	Other nonresidential buildings, excluding farm .....			35		739					
14	Railroads .....										
15	Telecommunications .....										
16	Electric light and power .....										
17	Gas .....										
18	Petroleum pipelines .....						9				
19	Farm nonresidential structures .....	2,119	1,696								
21a	Petroleum and natural gas, wells .....						19,377				548
21b	Petroleum and natural gas exploration .....						1,017				28
22	Other mining construction .....							399	667	351	
23	Other nonresidential nonbuilding structures .....	2	6	110	19		4		52		
30a	Single-family structures, nonfarm .....										
30b	Single-family structures, farm .....										
31	Multifamily structures .....										
32	Manufactured homes .....										
33	Improvements .....										
34	Other .....										
35	Brokers' commissions on the sale of new residential structures .....										
	<b>Total new structures .....</b>	<b>2,121</b>	<b>1,702</b>	<b>150</b>	<b>19</b>	<b>739</b>	<b>23,024</b>	<b>652</b>	<b>903</b>	<b>427</b>	<b>592</b>
	<b>Total new equipment, software, and structures .....</b>	<b>24,466</b>	<b>13,073</b>	<b>980</b>	<b>102</b>	<b>1,505</b>	<b>28,998</b>	<b>3,637</b>	<b>3,232</b>	<b>3,170</b>	<b>5,785</b>

See footnotes at the end of the table.

to Using Industries by NIPA Category, 1997

purchasers' prices]

Power generation and supply	Natural gas distribution	Water, sewage and other systems	New and maintenance and repair construction	Food manufacturing	Beverage manufacturing	Tobacco manufacturing	Textile mills	Textile product mills	Apparel manufacturing	Leather and allied product manufacturing	Wood product manufacturing	Pulp, paper, and paperboard mills	NIPA line
2211	2212	2213	2300	3110	3121	3122	3130	3140	3150	3160	3210	3221	
1,642	313	81	1,813	791	181	118	94	68	96	18	153	278	4
182	2	1	93	30	8	2	2	1	2	3	3	2	9
2,760	574	125	3,501	984	187	199	156	93	99	17	159	472	5
171	233	19	1,859	117	39	13	12	9	11	2	23	28	6
873	521	74	597	489	63	72	75	28	33	17	97	234	7a
94	16	7	350	74	15	19	10	6	11	2	13	36	8
2,523	118	35	874	533	51	8	32	20	20	6	77	143	11
1,558	431	26	104	26	7	2	4	2	2	2	13	59	12
5	.....	1	245	57	86	2	14	23	5	15	37	188	13
7	2	596	91	1,903	335	141	1,880	319	451	35	987	2,387	14
629	93	393	3,622	2,840	592	91	226	76	145	36	562	1,147	15
8,957	83	23	724	418	68	14	55	20	35	13	63	367	16
2	.....	.....	24	6	.....	.....	.....	.....	.....	.....	1	2	7b
484	156	60	3,104	303	89	41	36	30	21	5	51	70	19
2	.....	.....	11	4	.....	4	.....	.....	.....	.....	1	6	20
.....	.....	.....	3	1	.....	.....	.....	.....	.....	.....	.....	.....	21
.....	.....	.....	7	3	.....	2	2	.....	.....	.....	1	7	22
247	55	15	794	382	67	26	39	29	38	7	63	77	24
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26
508	95	72	10,437	136	38	14	25	8	7	2	68	116	27
.....	71	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28
41	10	26	523	302	353	6	18	10	12	3	24	42	29
79	5	4	99	42	11	2	5	2	1	.....	15	20	30
136	50	30	439	352	54	12	32	14	15	5	101	179	31
3,675	115	88	23,294	274	38	7	29	29	45	7	84	43	18a
250	19	174	3,367	273	113	4	13	9	7	5	58	22	18b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33
<b>24,825</b>	<b>2,962</b>	<b>1,850</b>	<b>55,968</b>	<b>10,344</b>	<b>2,398</b>	<b>799</b>	<b>2,759</b>	<b>796</b>	<b>1,056</b>	<b>195</b>	<b>2,654</b>	<b>5,925</b>	
6,378	.....	.....	879	1,955	331	54	341	94	194	2	483	415	5
249	12	54	541	79	29	15	27	28	25	23	41	9	6
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
11,214	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
.....	6,481	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21a
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22
.....	.....	2,213	126	.....	.....	.....	.....	.....	.....	.....	.....	.....	23
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30a
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31
.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	32
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35
<b>17,841</b>	<b>6,493</b>	<b>2,267</b>	<b>1,547</b>	<b>2,034</b>	<b>360</b>	<b>69</b>	<b>368</b>	<b>122</b>	<b>219</b>	<b>25</b>	<b>524</b>	<b>424</b>	
<b>42,666</b>	<b>9,455</b>	<b>4,117</b>	<b>57,515</b>	<b>12,378</b>	<b>2,758</b>	<b>868</b>	<b>3,127</b>	<b>918</b>	<b>1,275</b>	<b>220</b>	<b>3,178</b>	<b>6,349</b>	

Table 2. Distribution of New Equipment and Software

[Millions of dollars at

NIPA line	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Converted paper product manufacturing	Printing and related support activities	Petroleum and coal products manufacturing	Basic chemical manufacturing	Resin, rubber, and artificial fibers manufacturing	Agricultural chemical manufacturing	Pharmaceutical and medicine manufacturing	Paint, coating, and adhesive manufacturing	Soap, cleaning compound, and toiletry manufacturing	Other chemical product and preparation manufacturing
	Industry code	3222	3230	3240	3251	3252	3253	3254	3255	3256	3259
<b>Equipment and software <sup>1</sup></b>											
4	Computers and peripheral equipment .....	240	634	380	1,138	489	159	647	95	201	235
9	Office and accounting equipment .....	6	48	3	6	6	2	4	2	4	2
5	Software .....	304	458	654	1,549	859	243	1,003	128	264	280
6	Communication equipment .....	34	70	44	57	44	9	54	11	23	20
7a	Nonmedical instruments and related equipment .....	104	115	438	854	554	186	681	74	140	261
8	Photocopy and related equipment .....	30	143	35	97	58	18	154	14	30	34
11	Fabricated metal products .....	101	54	236	264	181	96	113	22	41	56
12	Engines and turbines .....	10	4	71	25	19	11	8	3	6	5
13	Metalworking machinery .....	143	14	80	80	100	16	66	26	35	6
14	Special industry machinery, n.e.c. ....	912	2,116	1,028	1,157	568	159	106	80	168	300
15	General industrial, including materials handling, equipment .....	678	597	1,382	2,022	609	235	510	107	311	221
16	Electrical transmission, distribution, and industrial apparatus .....	57	85	179	336	104	63	77	13	31	38
7b	Medical instruments and related equipment .....	1	2	.....	4	2	9	11	.....	.....	.....
7c	Electromedical equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	Autos .....	95	131	68	138	88	30	117	30	73	51
20	Aircraft .....	.....	1	5	3	.....	.....	.....	.....	.....	.....
21	Ships and boats .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	Railroad equipment .....	2	3	45	79	57	15	28	3	11	10
24	Furniture and fixtures .....	81	191	58	123	91	26	106	20	52	41
26	Agricultural machinery, including tractors <sup>2</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	Construction machinery, including tractors <sup>2</sup> .....	30	46	110	151	105	39	53	6	21	19
28	Mining and oilfield machinery .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	Service industry machinery .....	30	34	24	63	46	13	59	7	17	19
30	Electrical equipment, n.e.c. ....	15	8	8	95	7	4	61	1	5	4
31	Other nonresidential equipment .....	75	90	38	161	120	59	61	17	39	43
18a	Light trucks .....	53	158	58	64	50	22	41	7	34	25
18b	Trucks, other than light, buses and trailers .....	25	70	45	36	16	17	18	3	12	10
33	Residential (landlord durables) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Total new equipment and software .....</b>		<b>3,026</b>	<b>5,072</b>	<b>4,989</b>	<b>8,502</b>	<b>4,173</b>	<b>1,431</b>	<b>3,978</b>	<b>669</b>	<b>1,518</b>	<b>1,680</b>
<b>Structures <sup>3</sup></b>											
5	Industrial buildings .....	329	668	478	2,004	336	88	1,495	107	219	211
6	Commercial buildings .....	7	24	29	99	29	22	56	27	24	40
9	Religious buildings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	Educational buildings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	Hospital and institutional buildings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Other nonresidential buildings, excluding farm .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Railroads .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	Electric light and power .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	Gas .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	Petroleum pipelines .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	Farm nonresidential structures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21a	Petroleum and natural gas, wells .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21b	Petroleum and natural gas exploration .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	Other mining construction .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	Other nonresidential nonbuilding structures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30a	Single-family structures, nonfarm .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30b	Single-family structures, farm .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	Multifamily structures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
32	Manufactured homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
33	Improvements .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
34	Other .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
35	Brokers' commissions on the sale of new residential structures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Total new structures .....</b>		<b>336</b>	<b>692</b>	<b>507</b>	<b>2,103</b>	<b>365</b>	<b>110</b>	<b>1,551</b>	<b>134</b>	<b>243</b>	<b>251</b>
<b>Total new equipment, software, and structures .....</b>		<b>3,362</b>	<b>5,764</b>	<b>5,496</b>	<b>10,605</b>	<b>4,538</b>	<b>1,541</b>	<b>5,529</b>	<b>803</b>	<b>1,761</b>	<b>1,931</b>

See footnotes at the end of the table.

to Using Industries by NIPA Category, 1997—Continued  
 purchasers' prices]

Plastics and rubber products manufacturing	Nonmetallic mineral product manufacturing	Iron and steel mills and manufacturing from purchased steel	Nonferrous metal production and processing	Foundries	Forging and stamping	Cutlery and handtool manufacturing	Architectural and structural metals manufacturing	Boiler, tank, and shipping container manufacturing	Ordnance and accessories manufacturing	Other fabricated metal product manufacturing	Agriculture, construction, and mining machinery	Industrial machinery manufacturing	NIPA line
3260	3270	331A	331B	3315	3321	3322	3323	3324	332A	332B	3331	3332	
252	319	153	160	93	71	42	152	45	12	527	139	126	4
6	6	2	2	1	1	1	3	1	.....	8	2	2	9
390	452	312	281	145	97	52	167	74	23	676	232	232	5
32	64	19	18	10	9	4	18	5	3	48	17	18	6
324	280	155	194	37	54	24	61	37	4	194	72	62	7a
23	26	15	14	7	6	3	12	3	1	39	12	11	8
75	109	49	45	24	15	6	26	13	.....	87	20	9	11
10	17	20	16	5	11	3	10	4	.....	26	5	2	12
2,978	477	1,383	517	429	478	260	446	187	17	3,112	573	408	13
2,922	831	3	18	203	3	11	4	4	39	52	14	183	14
540	1,284	732	411	201	159	81	274	139	6	652	261	143	15
71	112	205	107	47	32	21	41	20	1	162	45	35	16
1	1	.....	.....	.....	.....	.....	1	.....	.....	2	.....	.....	7b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7c
96	101	47	43	34	26	13	8	19	.....	102	44	42	19
.....	.....	.....	.....	.....	.....	2	.....	.....	.....	2	1	.....	20
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21
3	3	3	2	1	1	.....	1	.....	.....	3	1	1	22
89	118	46	39	23	21	13	53	17	2	107	42	32	24
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26
41	168	153	45	9	10	6	26	10	2	50	19	8	27
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28
21	47	25	17	12	6	3	11	7	.....	41	9	4	29
14	19	8	6	2	4	1	4	3	1	18	3	8	30
62	94	31	46	9	11	8	25	12	.....	75	17	12	31
102	124	45	35	45	31	18	12	22	5	102	46	22	18a
19	196	17	18	18	10	4	19	6	1	42	13	11	18b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33
8,071	4,848	3,423	2,034	1,355	1,056	576	1,374	628	117	6,127	1,587	1,371	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
1,028	572	266	277	173	139	36	224	65	17	683	225	339	5
34	59	15	26	19	18	10	21	12	4	65	22	30	6
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21a
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30a
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35
1,062	631	281	303	192	157	46	245	77	21	748	247	369	
9,133	5,479	3,704	2,337	1,547	1,213	622	1,619	705	138	6,875	1,834	1,740	

Table 2. Distribution of New Equipment and Software

[Millions of dollars at

NIPA line	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.	Commercial and service industry machinery	HVAC and commercial refrigeration equipment	Metalworking machinery manufacturing	Turbine and power transmission equipment manufacturing	Other general purpose machinery manufacturing	Computer and peripheral equipment manufacturing	Audio, video, and communications equipment manufacturing	Semiconductor and electronic component manufacturing	Electronic instrument manufacturing	Magnetic media manufacturing and reproducing
		Industry code 3333	3334	3335	3336	3339	3341	334A	3344	3345	3346
<b>Equipment and software <sup>1</sup></b>											
4	Computers and peripheral equipment .....	135	75	239	88	187	740	506	789	553	147
9	Office and accounting equipment .....	2	1	3	1	3	7	6	9	8	2
5	Software .....	193	123	392	175	370	1,709	1,217	1,795	1,386	289
6	Communication equipment .....	15	11	23	10	24	79	76	99	93	25
7a	Nonmedical instruments and related equipment .....	86	45	11	55	99	173	303	666	312	41
8	Photocopy and related equipment .....	17	7	16	6	20	56	55	79	64	16
11	Fabricated metal products .....	17	13	53	11	20	11	17	39	24	8
12	Engines and turbines .....	1	3	7	3	5	1	3	6	2	.....
13	Metalworking machinery .....	198	257	604	453	712	181	336	625	466	128
14	Special industry machinery, n.e.c. ....	13	12	81	3	18	268	63	7,952	25	55
15	General industrial, including materials handling, equipment .....	114	151	99	133	285	248	472	766	366	60
16	Electrical transmission, distribution, and industrial apparatus .....	26	30	8	53	46	113	239	394	117	26
7b	Medical instruments and related equipment .....	.....	.....	1	.....	1	.....	1	2	2	.....
7c	Electromedical equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
19	Autos .....	33	21	39	26	16	46	31	20	33	31
20	Aircraft .....	.....	.....	1	.....	1	1	.....	.....	1	.....
21	Ships and boats .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	Railroad equipment .....	1	1	1	1	1	3	3	7	2	2
24	Furniture and fixtures .....	27	22	22	21	59	120	120	178	130	31
26	Agricultural machinery, including tractors <sup>2</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	Construction machinery, including tractors <sup>2</sup> .....	6	6	14	10	17	27	32	98	22	11
28	Mining and oilfield machinery .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	Service industry machinery .....	6	7	12	5	12	9	10	26	12	2
30	Electrical equipment, n.e.c. ....	3	4	6	2	9	41	61	83	47	3
31	Other nonresidential equipment .....	14	10	25	8	25	26	30	67	40	9
18a	Light trucks .....	28	27	23	28	28	38	79	79	16	20
18b	Trucks, other than light, buses and trailers .....	8	7	26	11	10	16	20	34	12	3
33	Residential (landlord durables) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Total new equipment and software .....</b>		<b>943</b>	<b>833</b>	<b>1,706</b>	<b>1,103</b>	<b>1,968</b>	<b>3,914</b>	<b>3,680</b>	<b>13,813</b>	<b>3,734</b>	<b>909</b>
<b>Structures <sup>3</sup></b>											
5	Industrial buildings .....	144	120	196	122	301	528	501	2,245	1,410	85
6	Commercial buildings .....	16	20	23	18	23	29	89	226	29	39
9	Religious buildings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	Educational buildings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	Hospital and institutional buildings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Other nonresidential buildings, excluding farm .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Railroads .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	Electric light and power .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	Gas .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	Petroleum pipelines .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	Farm nonresidential structures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21a	Petroleum and natural gas, wells .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21b	Petroleum and natural gas exploration .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	Other mining construction .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	Other nonresidential nonbuilding structures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30a	Single-family structures, nonfarm .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30b	Single-family structures, farm .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	Multifamily structures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
32	Manufactured homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
33	Improvements .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
34	Other .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
35	Brokers' commissions on the sale of new residential structures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Total new structures .....</b>		<b>160</b>	<b>140</b>	<b>219</b>	<b>140</b>	<b>324</b>	<b>557</b>	<b>590</b>	<b>2,471</b>	<b>1,439</b>	<b>124</b>
<b>Total new equipment, software, and structures .....</b>		<b>1,103</b>	<b>973</b>	<b>1,925</b>	<b>1,243</b>	<b>2,292</b>	<b>4,471</b>	<b>4,270</b>	<b>16,284</b>	<b>5,173</b>	<b>1,033</b>

See footnotes at the end of the table.

to Using Industries by NIPA Category, 1997—Continued  
 purchasers' prices]

Electric lighting equipment manufacturing	Household appliance manufacturing	Electrical equipment manufacturing	Other electrical equipment and component manufacturing	Motor vehicle manufacturing	Motor vehicle body, trailer, and parts manufacturing	Aerospace product and parts manufacturing	Other transportation equipment manufacturing	Furniture and related product manufacturing	Medical equipment and supplies manufacturing	Other miscellaneous manufacturing	Wholesale trade	Retail trade	NIPA line
3351	3352	3353	3359	3361	336A	3364	336B	3370	3391	3399	4200	4A00	
38	48	135	148	311	772	866	135	147	250	195	3,453	5,187	4
1	1	2	2	2	9	10	2	4	4	5	316	875	9
57	63	180	217	861	1,607	2,394	225	134	351	227	3,840	1,908	5
4	5	14	16	31	86	287	21	19	29	25	2,090	2,037	6
34	31	90	119	226	517	565	73	45	95	61	208	59	7a
3	5	11	13	25	66	124	13	14	66	24	662	786	8
10	11	11	19	46	127	51	27	53	26	37	553	617	11
1	1	2	3	2	34	6	3	5	3	4	61	19	12
92	158	298	513	2,412	4,484	1,555	347	288	411	578	725	133	13
13	31	25	209	5	341	41	17	450	46	243	126	349	14
96	106	169	216	1,318	1,593	605	253	321	256	312	2,146	1,105	15
26	19	47	53	152	272	173	87	40	62	40	305	271	16
				2	1	2		1	7		10	44	7b
									39		4		7c
13	12	33	39	60	113	16	16	43	6	24	3,817	2,820	19
		2			1	313			3	1	18	4	20
							5						21
		1	1	4	6	3	1	1	1	2			22
14	15	29	38	87	212	237	40	59	72	72	1,960	4,035	24
													26
5	5	6	14	51	115	64	23	17	15	16	439	318	27
													28
5	3	4	8	16	43	21	10	15	14	15	611	2,002	29
2	2	12	9	6	38	60	9	7	6	4	184	104	30
5	7	15	22	28	106	60	14	37	31	34	1,103	4,331	31
22	28	19	32	91	118	40	53	57	15	19	3,694	3,721	18a
5	3	10	10	12	45	33	13	39	22	22	2,125	834	18b
													33
<b>446</b>	<b>554</b>	<b>1,115</b>	<b>1,701</b>	<b>5,748</b>	<b>10,706</b>	<b>7,526</b>	<b>1,387</b>	<b>1,796</b>	<b>1,830</b>	<b>1,961</b>	<b>28,450</b>	<b>31,559</b>	
49	42	155	239	1,374	970	2,054	184	308	301	295		42	5
24	20	18	87	47	65	33	13	57	14	29	4,541	34,075	6
													9
													10
													11
													12
													14
													15
													16
													17
													18
													19
													21a
													21b
													22
													23
													30a
													30b
													31
													32
													33
													34
													35
<b>73</b>	<b>62</b>	<b>173</b>	<b>326</b>	<b>1,421</b>	<b>1,035</b>	<b>2,087</b>	<b>197</b>	<b>365</b>	<b>315</b>	<b>324</b>	<b>4,541</b>	<b>34,117</b>	
<b>519</b>	<b>616</b>	<b>1,288</b>	<b>2,027</b>	<b>7,169</b>	<b>11,741</b>	<b>9,613</b>	<b>1,584</b>	<b>2,161</b>	<b>2,145</b>	<b>2,285</b>	<b>32,991</b>	<b>65,676</b>	



Table 2. Distribution of New Equipment and Software

[Millions of dollars at

NIPA line	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.	Air transportation	Rail transportation	Water transportation	Truck transportation	Transit and ground passenger transportation	Pipeline transportation	Scenic and sightseeing transportation and support activities for transportation	Couriers and messengers	Warehousing and storage	Newspaper, book, and directory publishers
		4810	4820	4830	4840	4850	4860	48A0	4920	4930	5111
	<b>Equipment and software <sup>1</sup></b>										
4	Computers and peripheral equipment .....	1,228	290	122	638	164	328	365	315	173	630
9	Office and accounting equipment .....	19	2	1	20	4	2	8	19	13	31
5	Software .....	2,019	320	173	275	133	470	362	899	99	599
6	Communication equipment .....	10,621	216	2,119	740	284	1,453	232	270	84	241
7a	Nonmedical instruments and related equipment .....	117	16	4	64	12	121	17	27	5	3
8	Photocopy and related equipment .....	133	17	6	66	12	15	22	30	25	176
11	Fabricated metal products .....	69	14	56	51	9	56	53	61	24	25
12	Engines and turbines .....	5	25	15	65	62	6	13	17	8	3
13	Metalworking machinery .....	42	243	1	49	10	.....	14	1	.....	14
14	Special industry machinery, n.e.c. ....	4	1	1	11	5	.....	11	3	5	496
15	General industrial, including materials handling, equipment .....	1,466	195	167	1,295	100	60	234	269	348	244
16	Electrical transmission, distribution, and industrial apparatus .....	139	82	36	120	35	42	41	40	18	37
7b	Medical instruments and related equipment .....	3	.....	.....	2	2	.....	.....	2	.....	.....
7c	Electromedical equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	Autos .....	110	13	37	321	380	44	134	816	91	427
20	Aircraft .....	13,350	.....	4	.....	.....	.....	164	297	5	1
21	Ships and boats .....	.....	.....	1,652	.....	.....	.....	64	.....	.....	.....
22	Railroad equipment .....	.....	4,787	.....	.....	92	.....	.....	.....	.....	.....
24	Furniture and fixtures .....	400	59	36	249	55	32	119	108	104	279
26	Agricultural machinery, including tractors <sup>2</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	Construction machinery, including tractors <sup>2</sup> .....	58	60	50	63	14	44	29	30	5	3
28	Mining and oilfield machinery .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	Service industry machinery .....	179	42	21	122	28	6	44	55	28	24
30	Electrical equipment, n.e.c. ....	16	14	.....	126	1	4	21	32	21	5
31	Other nonresidential equipment .....	167	96	36	165	35	45	105	303	102	98
18a	Light trucks .....	625	67	91	1,261	241	424	304	1,284	90	51
18b	Trucks, other than light, buses and trailers .....	738	169	11	7,652	1,096	20	307	726	48	57
33	Residential (landlord durables) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<b>Total new equipment and software .....</b>	<b>31,508</b>	<b>6,728</b>	<b>4,639</b>	<b>13,355</b>	<b>2,774</b>	<b>3,172</b>	<b>2,663</b>	<b>5,604</b>	<b>1,296</b>	<b>3,444</b>
	<b>Structures <sup>3</sup></b>										
5	Industrial buildings .....	.....	.....	.....	1,193	.....	.....	.....	.....	147	482
6	Commercial buildings .....	195	58	.....	284	170	2,448	29	254	91	84
9	Religious buildings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	Educational buildings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	Hospital and institutional buildings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Other nonresidential buildings, excluding farm .....	640	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Railroads .....	.....	4,654	.....	.....	.....	.....	268	.....	.....	.....
15	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	Electric light and power .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	Gas .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	Petroleum pipelines .....	.....	.....	.....	.....	.....	960	.....	.....	.....	.....
19	Farm nonresidential structures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21a	Petroleum and natural gas, wells .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21b	Petroleum and natural gas exploration .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	Other mining construction .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	Other nonresidential nonbuilding structures .....	497	.....	.....	.....	.....	.....	.....	.....	.....	.....
30a	Single-family structures, nonfarm .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30b	Single-family structures, farm .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	Multifamily structures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
32	Manufactured homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
33	Improvements .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
34	Other .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
35	Brokers' commissions on the sale of new residential structures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<b>Total new structures .....</b>	<b>1,332</b>	<b>4,712</b>	<b>0</b>	<b>1,477</b>	<b>170</b>	<b>3,408</b>	<b>297</b>	<b>254</b>	<b>238</b>	<b>566</b>
	<b>Total new equipment, software, and structures .....</b>	<b>32,840</b>	<b>11,440</b>	<b>4,639</b>	<b>14,832</b>	<b>2,944</b>	<b>6,580</b>	<b>2,960</b>	<b>5,858</b>	<b>1,534</b>	<b>4,010</b>

See footnotes at the end of the table.

to Using Industries by NIPA Category, 1997—Continued  
 purchasers' prices]

Software publishers	Motion picture and sound recording industries	Radio and television broadcasting	Cable networks and program distribution	Telecommunications	Information services	Data processing services	Monetary authorities, credit intermediation and related activities	Securities, commodity contracts, investments	Insurance carriers and related activities	Funds, trusts, and other financial vehicles	Real estate (and owner occupied dwellings)	Automotive equipment rental and leasing	NIPA line
5112	5120	5131	5132	5133	5141	5142	52A0	5230	5240	5250	5310	5321	
563	216	257	1,185	4,612	208	404	9,042	3,225	3,712	108	1,531	1,055	4
7	8	8	9	156	3	9	2,448	54	135	1	59	16	9
1,638	250	470	626	6,530	393	1,054	6,882	1,386	4,490	200	855	155	5
385	397	2,183	8,561	33,681	174	397	717	341	365	5	707	85	6
1	1	2	5	280	1	2	2	1	5			2	7a
39	251	190	41	212	32	34	747	148	482	5	202	7	8
1	6	2	12	70		2	59	5	16		134	18	11
			15	43	1		7	5	5			4	12
				3								21	13
13	9	45	4	13	21	11	40	5	13				14
5	20	4	28	193	1	5	17	3	10		80	126	15
7	28	13	260	1,627	5	16	58	21	32			21	16
	1				3				64	1			7b
													7c
112	225	218	98	843	56	70	1,147	471	2,692	16	1,919	42,817	19
2				14		1		7	18	1	6		20
	2						10						21
													22
103	271	189	106	1,300	154	77	1,611	492	1,059	11	607	59	24
			134	430	1		2		1			25	26
													27
													28
5	47	6	6	61	10	5	111	35	83	2	258	79	29
11	35	7	89	645	2	11	15	4	12		189		30
24	77	43	39	327	49	18	716	314	553	5	3,049	289	31
28	218	162	203	3,076	42	35	195	41	106	2	272	2,873	18a
	3	4	13	411			6		1		8	522	18b
											6,217		33
<b>2,944</b>	<b>2,065</b>	<b>3,803</b>	<b>11,434</b>	<b>54,527</b>	<b>1,156</b>	<b>2,151</b>	<b>23,832</b>	<b>6,558</b>	<b>13,854</b>	<b>358</b>	<b>16,093</b>	<b>48,194</b>	
	110								1		2		5
481	308	198	1,149	1,341	146	326	9,263	1,427	2,382	1,499	2,562	129	6
													9
													10
	622	902	1,606										11
			3,337	8,965									12
													14
													15
													16
													17
													18
													19
													21a
													21b
													22
											1,287		23
											172,282		30a
											1,449		30b
											22,883		31
											13,863		32
											80,824		33
													34
											5,480		35
<b>481</b>	<b>1,040</b>	<b>1,100</b>	<b>6,092</b>	<b>10,306</b>	<b>146</b>	<b>326</b>	<b>9,263</b>	<b>1,427</b>	<b>2,383</b>	<b>1,499</b>	<b>300,632</b>	<b>129</b>	
<b>3,425</b>	<b>3,105</b>	<b>4,903</b>	<b>17,526</b>	<b>64,833</b>	<b>1,302</b>	<b>2,477</b>	<b>33,095</b>	<b>7,985</b>	<b>16,237</b>	<b>1,857</b>	<b>316,725</b>	<b>48,323</b>	

Table 2. Distribution of New Equipment and Software

[Millions of dollars at

NIPA line	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.  Industry code	Consumer goods and general rental centers	Machinery and equipment rental and leasing	Lessors of nonfinancial intangible assets	Legal services	Accounting and bookkeeping services	Architectural and engineering services	Specialized design services	Computer systems design and related services	Management and technical consulting services	Scientific research and development services
		532A	5324	5330	5411	5412	5413	5414	5415	5416	5417
<b>Equipment and software <sup>1</sup></b>											
4	Computers and peripheral equipment .....	397	316	49	1,412	927	2,810	173	1,677	665	599
9	Office and accounting equipment .....	78	6	1	24	29	31	6	16	17	9
5	Software .....	179	167	87	596	1,434	6,200	195	4,497	1,272	1,336
6	Communication equipment .....	302	58	41	185	103	311	35	1,134	162	155
7a	Nonmedical instruments and related equipment .....	4	1	.....	.....	2	581	.....	7	96	381
8	Photocopy and related equipment .....	46	13	5	336	158	554	38	112	119	168
11	Fabricated metal products .....	31	11	.....	15	12	45	2	8	10	19
12	Engines and turbines .....	8	4	.....	1	1	7	.....	1	1	2
13	Metalworking machinery .....	.....	11	.....	.....	.....	.....	.....	.....	.....	.....
14	Special industry machinery, n.e.c. ....	3	.....	.....	1	4	113	561	16	20	8
15	General industrial, including materials handling, equipment .....	55	79	.....	3	6	195	21	20	14	50
16	Electrical transmission, distribution, and industrial apparatus .....	34	22	1	15	12	39	13	15	18	31
7b	Medical instruments and related equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7c	Electromedical equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	Autos .....	413	71	2	261	282	1,109	89	239	297	148
20	Aircraft .....	128	28	1	.....	5	9	.....	5	15	6
21	Ships and boats .....	8	258	.....	.....	.....	.....	.....	.....	.....	.....
22	Railroad equipment .....	.....	16	.....	.....	.....	.....	.....	.....	.....	.....
24	Furniture and fixtures .....	207	43	12	478	298	184	144	210	200	154
26	Agricultural machinery, including tractors <sup>2</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	Construction machinery, including tractors <sup>2</sup> .....	28	16	1	.....	2	36	.....	1	4	4
28	Mining and oilfield machinery .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	Service industry machinery .....	125	26	2	45	16	54	5	17	18	27
30	Electrical equipment, n.e.c. ....	8	46	.....	5	4	63	.....	41	15	19
31	Other nonresidential equipment .....	1,072	50	5	111	65	196	30	55	76	52
18a	Light trucks .....	596	249	4	49	42	62	20	112	116	122
18b	Trucks, other than light, buses and trailers .....	134	57	.....	1	1	16	.....	1	1	1
33	Residential (landlord durables) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Total new equipment and software .....</b>		<b>3,856</b>	<b>1,548</b>	<b>211</b>	<b>3,538</b>	<b>3,403</b>	<b>12,615</b>	<b>1,332</b>	<b>8,184</b>	<b>3,136</b>	<b>3,291</b>
<b>Structures <sup>3</sup></b>											
5	Industrial buildings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	Commercial buildings .....	478	218	100	406	405	697	170	1,039	488	537
9	Religious buildings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	Educational buildings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	Hospital and institutional buildings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Other nonresidential buildings, excluding farm .....	.....	.....	.....	16	13	.....	5	23	.....	.....
14	Railroads .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	Electric light and power .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	Gas .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	Petroleum pipelines .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	Farm nonresidential structures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21a	Petroleum and natural gas, wells .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21b	Petroleum and natural gas exploration .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	Other mining construction .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	Other nonresidential nonbuilding structures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30a	Single-family structures, nonfarm .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30b	Single-family structures, farm .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	Multifamily structures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
32	Manufactured homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
33	Improvements .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
34	Other .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
35	Brokers' commissions on the sale of new residential structures .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Total new structures .....</b>		<b>478</b>	<b>218</b>	<b>100</b>	<b>422</b>	<b>418</b>	<b>697</b>	<b>175</b>	<b>1,062</b>	<b>488</b>	<b>537</b>
<b>Total new equipment, software, and structures .....</b>		<b>4,334</b>	<b>1,766</b>	<b>311</b>	<b>3,960</b>	<b>3,821</b>	<b>13,312</b>	<b>1,507</b>	<b>9,246</b>	<b>3,624</b>	<b>3,828</b>

See footnotes at the end of the table.

**to Using Industries by NIPA Category, 1997—Continued**  
 purchasers' prices]

Advertising and related services	Other professional and technical services	Management of companies and enterprises	Employment services	Travel arrangement and reservation services	All other administrative and support services	Waste management and remediation services	Educational services	Ambulatory health care services	Hospitals	Nursing and residential care facilities	Social assistance	Performing arts, spectator sports, museums, zoos, and parks	NIPA line
5418	5419	5500	5613	5615	561A	5620	6100	6210	6220	6230	6240	71A0	
472	198	1,620	293	177	2,381	184	1,393	1,265	2,277	221	274	347	4
23	8	39	11	7	163	6	33	46	59	15	13	17	9
434	199	1,909	372	102	1,778	239	1,566	1,028	2,034	163	266	35	5
229	92	246	122	121	1,214	138	161	398	735	132	100	169	6
2	14	34	2	.....	24	66	186	371	483	1	2	1	7a
90	292	327	55	10	383	24	163	802	1,102	83	105	38	8
11	22	18	42	.....	185	47	30	9	57	20	16	18	11
1	12	1	2	.....	44	36	16	4	17	.....	3	4	12
.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	13
84	26	16	9	1	82	20	18	5	21	14	10	26	14
37	44	13	11	.....	454	154	75	39	202	28	28	12	15
9	8	22	3	2	115	70	41	36	88	23	11	2	16
.....	.....	.....	.....	.....	56	.....	814	3,424	10,597	773	.....	.....	7b
.....	.....	.....	2	.....	1	.....	602	1,919	7,951	138	1	.....	7c
301	89	472	58	2	1,396	78	71	311	200	56	65	33	19
11	21	10	.....	.....	74	4	4	79	1	3	.....	7	20
.....	5	.....	1	2	1	.....	4	.....	.....	.....	.....	11	21
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22
192	81	521	121	44	857	59	462	479	604	151	186	194	24
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26
4	66	3	2	1	127	130	14	1	10	2	2	4	27
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28
17	8	42	14	7	649	23	469	112	460	253	103	25	29
8	1	15	2	.....	120	14	82	9	28	40	13	.....	30
81	74	137	41	49	2,540	81	838	204	585	255	362	301	31
43	103	121	105	26	748	463	11	198	359	67	63	41	18a
1	9	1	1	.....	23	535	54	24	14	7	45	7	18b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33
<b>2,050</b>	<b>1,372</b>	<b>5,567</b>	<b>1,269</b>	<b>551</b>	<b>13,416</b>	<b>2,371</b>	<b>7,107</b>	<b>10,763</b>	<b>27,884</b>	<b>2,445</b>	<b>1,668</b>	<b>1,293</b>	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
221	271	1,176	103	63	1,260	577	21	2080	30	1,024	1,173	703	5
.....	.....	.....	.....	.....	.....	.....	222	239	239	.....	.....	.....	6
.....	.....	.....	.....	.....	.....	.....	9,308	.....	.....	.....	.....	517	9
15	11	25	8	1	53	.....	195	12,754	2,148	.....	.....	1,122	10
.....	.....	.....	.....	.....	.....	.....	27	107	.....	.....	8	.....	11
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21a
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21b
.....	.....	.....	.....	.....	.....	968	.....	.....	.....	.....	.....	.....	22
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30a
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32
.....	.....	.....	.....	.....	.....	.....	787	.....	.....	.....	.....	.....	33
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34
<b>236</b>	<b>282</b>	<b>1,201</b>	<b>111</b>	<b>64</b>	<b>1,313</b>	<b>1,545</b>	<b>10,365</b>	<b>2,276</b>	<b>13,130</b>	<b>3,172</b>	<b>1,181</b>	<b>2,342</b>	
<b>2,286</b>	<b>1,654</b>	<b>6,768</b>	<b>1,380</b>	<b>615</b>	<b>14,729</b>	<b>3,916</b>	<b>17,472</b>	<b>13,039</b>	<b>41,014</b>	<b>5,617</b>	<b>2,849</b>	<b>3,635</b>	

Table 2. Distribution of New Equipment and Software to Using Industries by NIPA Category, 1997—Continued

[Millions of dollars at purchasers' prices]

NIPA line	For the distribution of capital to using industries, read the row for that commodity or category.  For the composition of capital used by an industry, read the column for that industry.	Amusements, gambling, and recreation	Accommodation	Food services and drinking places	Automotive repair and maintenance	Electronic, commercial, and household goods repair	Personal and laundry services	Religious, grantmaking and giving, and social advocacy organizations	Civic, social, professional and similar organizations	Total
		7130	7210	7220	8111	811A	8120	813A	813B	
	<b>Equipment and software <sup>1</sup></b>									
4	Computers and peripheral equipment .....	257	270	429	211	150	345	463	223	81,598
9	Office and accounting equipment .....	19	27	160	19	7	21	28	12	5,721
5	Software .....	37	205	364	116	160	208	354	182	97,988
6	Communication equipment .....	109	141	283	39	30	93	221	62	80,154
7a	Nonmedical instruments and related equipment .....	4	5	10	3	3	7	3		16,555
8	Photocopy and related equipment .....	11	49	33	15	40	531	243	45	12,640
11	Fabricated metal products .....	42	37	351	63	20	27	41	6	10,603
12	Engines and turbines .....	11	24	11	1	1	5	3	1	3,754
13	Metalworking machinery .....				280	115				29,543
14	Special industry machinery, n.e.c. ....	11	16	314	230	17	9	36	16	32,851
15	General industrial, including materials handling, equipment .....	57	62	110	548	84	77	31	5	43,295
16	Electrical transmission, distribution, and industrial apparatus .....		35	96	68	93	32	17	2	19,359
7b	Medical instruments and related equipment .....	3								15,893
7c	Electromedical equipment .....				1					10,659
19	Autos .....	62	91	1,281	176	74	188	314	45	75,149
20	Aircraft .....							1		15,049
21	Ships and boats .....	12	21					8	27	2,630
22	Railroad equipment .....									5,779
24	Furniture and fixtures .....	189	1,918	2,293	213	85	152	527	133	30,039
26	Agricultural machinery, including tractors <sup>2</sup> .....									15,405
27	Construction machinery, including tractors <sup>2</sup> .....		7	3	87	15	19	1		19,275
28	Mining and oilfield machinery .....									4,400
29	Service industry machinery .....	320	279	4,975	202	13	251	158	30	14,917
30	Electrical equipment, n.e.c. ....	4	65	178	1	85	65	21	2	3,667
31	Other nonresidential equipment .....	1,668	381	1,285	74	54	355	414	101	29,084
18a	Light trucks .....	33	466		2,101	510	551	287	8	69,591
18b	Trucks, other than light, buses and trailers .....	9	15	336	49	5	71	22	4	23,990
33	Residential (landlord durables) .....									6,217
	<b>Total new equipment and software .....</b>	<b>2,858</b>	<b>4,114</b>	<b>12,512</b>	<b>4,497</b>	<b>1,561</b>	<b>3,007</b>	<b>3,193</b>	<b>904</b>	<b>775,805</b>
	<b>Structures <sup>3</sup></b>									
5	Industrial buildings .....			10						37,811
6	Commercial buildings .....	993	110	4,965	955	239	928	235	842	89,206
9	Religious buildings .....							5,623		5,623
10	Educational buildings .....									9,825
11	Hospital and institutional buildings .....									15,097
12	Other nonresidential buildings, excluding farm .....	2,446	15,995	621	344	14	77	12	8	25,496
14	Railroads .....									4,922
15	Telecommunications .....									12,302
16	Electric light and power .....									11,214
17	Gas .....									6,481
18	Petroleum pipelines .....									969
19	Farm nonresidential structures .....									3,815
21a	Petroleum and natural gas, wells .....									19,925
21b	Petroleum and natural gas exploration .....									1,045
22	Other mining construction .....									1,417
23	Other nonresidential nonbuilding structures .....	411								5,695
30a	Single-family structures, nonfarm .....									172,282
30b	Single-family structures, farm .....									1,449
31	Multifamily structures .....									22,883
32	Manufactured homes .....									13,864
33	Improvements .....									80,824
34	Other .....		3							790
35	Brokers' commissions on the sale of new residential structures .....									5,480
	<b>Total new structures .....</b>	<b>3,850</b>	<b>16,108</b>	<b>5,596</b>	<b>1,299</b>	<b>253</b>	<b>1,005</b>	<b>5,870</b>	<b>850</b>	<b>548,415</b>
	<b>Total new equipment, software, and structures .....</b>	<b>6,708</b>	<b>20,222</b>	<b>18,108</b>	<b>5,796</b>	<b>1,814</b>	<b>4,012</b>	<b>9,063</b>	<b>1,754</b>	<b>1,324,220</b>

1. The line numbers correspond to the line numbers in NIPA "Table 5.8. Private Fixed Investment in Equipment and Software by Type."

2. Includes tractors, which is a separate line in the NIPAs.

3. The line numbers correspond to the line numbers in NIPA "Table 5.6. Private Fixed Investment in Structures by Type." Note: NIPA line numbers followed by a letter indicate that detail has been added to the NIPA line. NIPA National income and product accounts.