

Benchmark Input-Output Accounts for the U.S. Economy, 1992

Requirements Tables

By Ann M. Lawson

THIS ARTICLE is the second of two articles that present the 1992 benchmark input-output (I-O) accounts for the U.S. economy. Last month's article discussed the procedures used for the 1992 benchmark accounts and described the concepts and methods underlying the accounts; it presented, and illustrated how to use, the I-O make (production) table (table 1) and the use (consumption) table (tables 2.1 and 2.2).¹ This article presents, and illustrates how to use, the three remaining basic I-O tables: The commodity-by-industry direct requirements for a dollar of industry output; the commodity-by-commodity total requirements, direct and indirect, for a dollar of delivery to final use; and the industry-by-commodity total requirements, direct and indirect, for a dollar of delivery to final use.

The I-O requirements tables are an important analytical tool because they show the interdependence among the producers and consumers in the economy. Using these tables, analysts can estimate the direct and indirect effects of changes in final uses on industries and commodities. For example, these tables can be used to analyze the relative effects on industries and commodities of a decrease in Federal Government consumption expenditures or of a change in the composition of personal consumption expenditures that results from a change in consumer tastes.²

The commodity-by-industry direct requirements table

The commodity-by-industry direct requirements for a dollar of industry output are presented in

1. Ann M. Lawson, "Benchmark Input-Output Accounts for the U.S. Economy, 1992: Make, Use, and Supplementary Tables," *SURVEY OF CURRENT BUSINESS* 77 (November 1997): 36-82.

2. As noted in last month's article, analysts using the I-O tables to estimate the effects of changes in final uses on industries and commodities need to be aware of the underlying I-O assumptions. For example, the I-O tables are based on a set of relationships that exist between producers and consumers in a given year; these relationships reflect constant technology and relative prices. The interindustry relationships reflect the average input structure in each industry for that year, but these relationships do not necessarily reflect those of an additional unit of production. Therefore, for analyses that require alternative assumptions, other economic tools may be required.

two parts: **Table 3.1** shows the input coefficients for each commodity that an industry requires to produce a dollar of output; **table 3.2** shows component detail for the value-added input coefficients that an industry requires to produce a dollar of output. The input coefficients in both tables are also referred to as "direct requirements coefficients." The sum of the coefficients for total intermediate inputs and for the total value added for each industry is equal to 1.00000.

Tables 3.1 and 3.2 are derived from tables 2.1 and 2.2, respectively, by dividing each industry's commodity or value-added input by that industry's total output. However, table 3.1, unlike table 2.1, does not include the components of final uses or gross domestic product.

In table 3.1, each column shows, for the industry named at the head of the column, the input coefficients for the commodities and for the total value added that an industry directly requires to produce a dollar of output. Each row shows the commodity or the total value added that the industry requires. For example, to produce a dollar of output, the industry "radio and TV broadcasting" (column 67) has direct requirements for 2.1 cents (calculated as 100 cents \times 0.02064 from the table) of the commodity "radio and TV broadcasting" (row 67) and 2.8 cents of the commodity "advertising" (row 73D).

In table 3.2, industries are shown in the rows, and the total output, the total intermediate inputs, and the components of value added that are required to produce a dollar of output are shown in the columns. For example, to produce a dollar of output, the industry "radio and TV broadcasting" (row 67) has direct requirements for 40.2 cents of total value added; these requirements consist of 28.6 cents of compensation of employees, 1.8 cents of indirect business tax and nontax liability, and 9.8 cents of "other value added." The industry has direct requirements for 59.8 cents of intermediate inputs, which are shown in detail in column 67 of table 3.1.

The information in table 3.1 can be used with the information in the make table (table 1 in last month's article) to trace the changes in an industry's output, as well as the changes in that industry's total requirements for other industries' output that result from a change in final uses of a commodity. For example, tables 1 and 3.1 can be used to trace the direct effects of a \$1 billion increase in sales of household appliances to final users on all industries producing household appliances.

In table 1, the total output of the commodity "household appliances" (column 54) was \$16,833 million. The industry "household appliances" (row 54) produced \$16,033 million, or 95.2 percent, of this commodity; the industry "audio, video, and communication equipment" (row 56) produced \$268 million, or 1.6 percent, and 18 other industries produced the rest. Based on these proportions, production in the household appliances industry would initially increase \$952 million ($\$1 \text{ billion} \times 0.952$) to meet the \$1 billion increase in household appliances sold to final users. Production in the audio, video, and communication equipment industry would increase \$16 million ($\$1 \text{ billion} \times 0.016$), and production in the 18 other industries would increase \$32 million.

Table 3.1 can then be used to determine the commodity inputs required by each indus-

try to produce its share of the \$1 billion of household appliances sold to final users. The commodities required by the household appliances industry will be traced first. For example, column 54 in table 3.1 shows that the household appliances industry would require, in addition to other commodity inputs, \$1.2 million ($\$952.0 \text{ million} \times 0.00126$) of the commodity "household appliances" (row 54); to provide this commodity input, the industry's production would have to increase an additional \$1.1 million ($\$1.2 \text{ million} \times 0.952$). Thus, the increase in the production of the household appliances industry would be \$953.1 million ($\$952.0 \text{ million for final users plus } \$1.1 \text{ million for its own intermediate use}$). In turn, this production would require \$65.1 million ($\$953.1 \text{ million} \times 0.06835$) of primary iron and steel manufacturing (row 37), \$83.0 million ($\$953.1 \text{ million} \times 0.08710$) of rubber and miscellaneous plastics products (row 32), and so on down the column. From table 3.2, the value added required by the household appliances industry would total \$335.9 million ($\$953.1 \text{ million} \times 0.35243$). Of this total, \$200.9 million ($\$953.1 \text{ million} \times 0.21075$) is for compensation of employees, \$7.4 million ($\$953.1 \text{ million} \times 0.00781$) is for indirect business tax and nontax liability, and \$127.6 million ($\$953.1 \text{ million} \times 0.13387$) is for "other value added."

Data Availability

This article presents the summary estimates of the 1992 benchmark input-output (I-O) accounts in the requirements tables for 97 industries. The summary estimates of the accounts in the make of commodities (production) by industries and the use of commodities (consumption) by industries was presented in the November 1997 SURVEY OF CURRENT BUSINESS.

These summary estimates and more detailed estimates for 498 industries at the I-O six-digit level, including a discussion of the matrix algebra underlying the derivation of the tables, are available on the following diskettes:

- The summary estimates for the make, use, and requirements tables, including estimates of make and use on an approximate 1987 Standard Industrial Classification (SIC) basis—product number NDN-0180, one diskette for \$20
- The estimates of make, use, and direct requirements at the I-O six-digit level—product number NDN-0178, three diskettes for \$60
- The alternative estimates of make and use on an approximate SIC basis at the I-O six-digit level—product number NDN-0179, two diskettes for \$40

- The estimates of industry-by-commodity total requirements at the I-O six-digit level—product number NDN-0183, two diskettes for \$40

- The estimates of commodity-by-commodity total requirements at the I-O six-digit level—product number NDN-0184, two diskettes, for \$40

- The estimates of the I-O commodity composition of final demand in the national income and product accounts (NIPA's) at the I-O six-digit level—product number NDN-0185, one diskette for \$20

- The estimates of the I-O commodity composition of NIPA personal consumption expenditures and producers' durable equipment at the I-O six-digit level—product number NDN-0186, one diskette for \$20

To order these diskettes using MasterCard or Visa, call the BEA Order Desk at 1-800-704-0415 (outside the United States, call 202-606-9666). To order by mail, send a check payable to "Bureau of Economic Analysis, BE-53" to BEA Order Desk, Bureau of Economic Analysis, BE-53, U.S. Department of Commerce, Washington, DC 20230.

The information in tables 1 and 3.1 can now be used to trace the continuing repercussions of the \$953.1 million of additional output produced by the household appliances industry on the output of other industries. For example, to supply the primary iron and steel required by the household appliances industry, the industry “primary iron and steel manufacturing” (column 37 in table 3.1) requires \$12.0 million ($\$65.1 \text{ million} \times 0.18508$) of the commodity “primary iron and steel manufacturing” (row 37 in table 3.1)—of which it produces \$11.8 million ($\$12.0 \text{ million} \times 0.987$ derived from table 1) and all other industries produce \$0.2 million ($\$12.0 \text{ million} \times 0.013$). Other commodities required by the primary iron and steel manufacturing industry include \$1.3 million ($\$76.9 \text{ million} \times 0.01663$) of general industrial machinery and equipment (row 49), \$1.4 million ($\$76.9 \text{ million} \times 0.01762$) of coal mining (row 7), and so on. Similarly, all the other industries that produce primary iron and steel manufacturing (column 37 in table 1) as secondary products—such as primary nonferrous metals manufacturing (row 38 in table 1)—would also require commodities to produce their shares of the output of primary iron and steel manufacturing that is required by the household appliances industry.

Similarly, the continuing effects on each industry producing its share of the \$1 billion of household appliances sold to final users can be traced, and the increase in production required from each industry can be derived. For each industry that produces household appliances, either as a primary product or as a secondary product, the direct requirements coefficients corresponding to that industry are used from table 3.1. For example, for household appliances as a primary product of the household appliances industry, the direct requirements coefficients from column 54 in table 3.1 are used; for household appliances as a secondary product of the audio, video, and communication equipment industry, the coefficients from column 56 are used.

The total requirements tables

This section presents the two total requirements tables: The commodity-by-commodity total requirements table (table 4) and the industry-by-commodity total requirements table (table 5). These tables—which combine the information in tables 1 and 3.1—completely trace and summarize as a multiplier the continuing repercussions

of a dollar change in the final use of a specified commodity.³

The commodity-by-commodity total requirements table.—Table 4 shows the inputs of each commodity that are directly and indirectly required to deliver a dollar of the commodity to final users. Each column shows the commodity delivered to final users, and each row shows the total production of the commodity that is required. The coefficients in this table are referred to as “commodity-by-commodity total requirements coefficients.” The table is derived from both the make and use tables.

In the household appliances example, the total requirements for each commodity can be calculated from the entries in column 54. Providing consumers with \$1 billion of household appliances would require \$1,001.3 million ($\$1 \text{ billion} \times 1.00133$) of household appliances (row 54) from all industries. Similarly, it would require \$15.3 million ($\$1 \text{ billion} \times 0.01530$) of paperboard containers and boxes (row 25), \$51.5 million ($\$1 \text{ billion} \times 0.05153$) of plastics and synthetic materials (row 28), and so on.

The total at the bottom of each column in table 4 is the sum of all the changes in commodity outputs that are required to deliver a dollar of a commodity to final users. Because each total change is a dollar multiple of the initial dollar spent for the output of the given commodity, the total change in output is often called the total commodity output multiplier.

These multipliers can be used to estimate the impact of changes in the final uses of commodities on total commodity output. For example, for the household appliances commodity (column 54), the total commodity output multiplier is 2.33419 (the sum of all the entries in the column). The total dollar change in all commodity output that is required for an additional \$1 billion of household appliances delivered to final users is \$2,334.2 million ($\$1 \text{ billion} \times 2.33419$).

The industry-by-commodity total requirements table.—Table 5 shows the input requirements coefficients for the output from each industry that is directly and indirectly required to deliver a dollar of a commodity to final users. Each column

3. The final-use multipliers presented in this article identify the cumulative effects on total industry and commodity outputs that result from a change in final use. In contrast to conventional macroeconomic multipliers that measure the cumulative impact on final output of a policy change, such as the decline in GDP that results from a reduction in government spending, these final-use multipliers measure the impact of a change in final demand (uses) on gross output (final and intermediate output). Indeed, shifts in the composition of final uses can have a “multiple” impact on industry and commodity output but can have no effect on the level of total GDP.

shows the commodity delivered to final users, and each row shows the total production that is required from an industry. The coefficients in this table are referred to as "industry-by-commodity total requirements coefficients." The table is also derived from both the make and use tables.

The calculations made using this table are similar to those using the commodity-by-commodity total requirements table. For example, to provide final users with an additional \$1 billion of household appliances, the household appliances industry (row 54) is required to produce \$954.3 million ($\$1 \text{ billion} \times 0.95433$) of industry output; the paperboard containers and boxes industry (row 25) is required to produce \$15.5 million ($\$1 \text{ billion} \times 0.01545$) of industry output, the plastics and synthetic materials industry (row 28) is required to produce \$45.1 million ($\$1 \text{ billion} \times 0.04510$) of industry output, and so on.

The total at the bottom of each column in table 5 is the sum of all the changes in industry outputs that are required to deliver a dollar of a commodity to final users. Because each total change is a dollar multiple of the initial dollar spent for the output of the given industry, the total change in output is often called the total industry output multiplier.

These multipliers can be used to estimate the impact of changes in the final uses of com-

modities on total industry output. For example, the total industry output multiplier for the household appliances commodity (column 54) is 2.31873 (the sum of all the entries in the column). The total dollar change in the output of all industries that is required for an additional \$1 billion of household appliances delivered to final uses is \$2,318.7 million ($\$1 \text{ billion} \times 2.31873$).

Comparison of total multipliers.—The total multipliers in tables 4 and 5 are similar but not identical. The main reason for the difference is that the total commodity output multipliers in table 4 include "noncomparable imports," which by definition, do not have a domestic industry counterpart and are not included in the total industry output multipliers in table 5.

When using the two total requirements tables, one should be aware that the amount of output required to deliver a dollar of commodity to final users may include both imported commodities and domestically produced commodities. However, both the total commodity output multiplier and the total industry output multiplier represent the output required as if all of the commodity were domestically produced. Therefore, if a portion of the commodity was imported, the impact on domestic output would be lower than that implied by the multiplier.

Tables 3.1 through 5 follow. 

Table 3.1.—Commodity-by-Industry
[Direct requirements per dollar]

Commodity number	For the composition of inputs to an industry, read the column for that industry	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Non-metallic minerals mining	New construction	Maintenance and repair construction	Ordnance and accessories	Food and kindred products
		1	2	3	4	5+6	7	8	9+10	11	12	13	14
	Industry number												
1	Livestock and livestock products	0.13260	0.00005	0.00687	0.02379								0.17618
2	Other agricultural products	24236	.02811		.1185			.00001		.00266	.00297		.07776
3	Forestry and fishery products .....			.02725	.00135								.00731
4	Agricultural, forestry, and fishery services .....	.04426	.07191	.21044	.00538	.00149	.00063	.00003	.00044	.00292	.00366	.00097	.00029
5+6	Metallic ores mining .....					.19379							
7	Coal mining .....					.00140	.11301		.00424			.00008	.00049
8	Crude petroleum and natural gas .....							.19262					
9+10	Nonmetallic minerals mining .....	.00008	.00267		.00007	.00065	.00037		.03464	.00720	.00969		
11	New construction .....									.00037			
12	Maintenance and repair construction .....	.01090	.01176	.03485	.01027	.01916	.00260	.02176	.00738	.00059	.00069	.00571	.00417
13	Ordnance and accessories .....											.01405	
14	Food and kindred products .....	.17456		.03235	.00333								.15563
15	Tobacco products												
16	Broad and narrow fabrics, yarn and thread mills .....		.00247				.00312					.00054	
17	Miscellaneous textile goods and floor coverings .....	.00152	.00197	.00583	.00283								.00005
18	Apparel .....						.00011	.00001		.00260	.00297	.00050	
19	Miscellaneous fabricated textile products .....		.00151	.00094	.00297					.00064	.00081		.00018
20+21	Lumber and wood products .....	.00048	.00425			.00335	.00249	.00001		.05111	.06469	.00202	.00018
22+23	Furniture and fixtures .....									.00295	.00002		
24	Paper and allied products, except containers .....	.00231	.00232	.00177	.00025	.00037	.00015	.00001	.00066	.00396	.00273	.00027	.01261
25	Paperboard containers and boxes .....	.00007	.00672	.00239	.00481	.00037	.00022	.00002	.00015	.00058	.00064	.00194	.01929
26A	Newspapers and periodicals .....	.00008	.00007		.00018		.00004	.00002	.00132			.00012	.00001
26B	Other printing and publishing .....	.00007	.00007	.00094	.00021		.00004	.00001	.00007	.00029	.00035		.00291
27A	Industrial and other chemicals .....	.00132	.00057	.00031	.00018	.04791	.00903	.01114	.01878	.00356	.00313	.00804	.00518
27B	Agricultural fertilizers and chemicals .....	.00235	.07718	.00291	.07706	.00009	.00007			(*)		.00082	(*)
28	Plastics and synthetic materials .....											.00311	.00040
29A	Drugs .....	.00315			.00004								.00313
29B	Cleaning and toilet preparations .....	.00071		.00146				.00005		.00032	.00050		.00118
30	Paints and allied products .....				.00025			.00001		.00899	.00932	.00031	
31	Petroleum refining and related products .....	.00870	.02712	.03568	.00619	.02428	.02352	.00600	.03603	.01192	.02026	.00256	.00314
32	Rubber and miscellaneous plastics products .....	.00433	.00559	.00073	.00113	.00837	.00903	.00014	.01074	.01540	.01753	.01390	.01806
33+34	Footwear, leather, and leather products .....	.00038						.00001					
35	Glass and glass products .....	.00009			.00039			.00002	.00051	.00231	.00070		.00983
36	Stone and clay products .....		.00126		.00018	.00540	.00386	.00179		.05128	.02799	.00140	.00003
37	Primary iron and steel manufacturing .....	.00012	.00016			.02670	.00305	.01130	.01169	.00810	.00683	.01436	
38	Primary nonferrous metals manufacturing .....				.00007		.00048			.00762	.00754	.01790	
39	Metal containers .....			.00021									.02307
40	Heating, plumbing, and fabricated structural metal products .....	.00022	.00023			.00754	.00264	.00036	.00373	.05152	.04206		
41	Screw machine products and stampings .....	.00037				.00121	.00498		.00080	.00062	.00050	.00660	.00147
42	Other fabricated metal products .....	.00152	.00239	.00083	.00237	.00019	.00234	.00425	.00066	.02006	.01643	.00939	.00301
43	Engines and turbines .....			.00125		.00251	.00346	.00021	.00307			.00085	.00001
44+45	Farm, construction, and mining machinery .....	.00276	.00632	.00416	.00078	.02940	.03284	.00273	.03713	.00198	.00183		
46	Materials handling machinery and equipment .....				.00004	.00614	.00583	.00049	.01367	.00290	.00010		
47	Metalworking machinery and equipment .....	.00034	.00042		.00004	.00065	.00019	.00018	.00022	.00070	.00047	.00144	.00011
48	Special industry machinery and equipment .....				.00004					(*)	.00002	.00314	.00031
49	General industrial machinery and equipment .....	.00034	.00066	.00010	.00007	.00326	.00828	.00098	.00687	.00721	.00286	.01060	.00055
50	Miscellaneous machinery, except electrical .....	.00055	.00127	.00010	.00046	.00214	.00424	.00160	.00102	.00052	.00003	.00625	.00042
51	Computer and office equipment												
52	Service industry machinery .....			.00021	.00007		.00015	.00004	.00015	.01098	.01062		.00011
53	Electrical industrial equipment and apparatus .....	.00010	.00020	.00031		.00140	.00197	.00067	.00322	.00590	.00462	.00644	.00024
54	Household appliances .....									.00207	.00248		
55	Electric lighting and wiring equipment .....	.00039	.00042	.00021	.00067		.00059	.00009	.00007	.01809	.01642	.00078	.00023
56	Audio, video, and communication equipment .....									.00415	.00282		
57	Electronic components and accessories .....											.05109	
58	Miscellaneous electrical machinery and supplies .....	.00203	.00458	.00052	.00103	.00028	.00026	.00009	.00088	.00214	.00197	.00027	.00004
59A	Motor vehicles (passenger cars and trucks)												
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00063	.00129	.00281	.00152	.00140	.00126	.00038	.00351	.00121	.00146	.00004	.00048
60	Aircraft and parts .....											.07671	
61	Other transportation equipment .....					.00019				.00014	.00016		
62	Scientific and controlling instruments .....			.00146	.00032	.00019	.00004	.00001		.00329	.00264	.03125	.00002
63	Ophthalmic and photographic equipment .....				.00028		.00011	.00010		.00011	.00010	.00023	.00002
64	Miscellaneous manufacturing .....	.00032	.00043		.00014	.00019	.00015	.00004	.00037	.00338	.00329	.00006	
65A	Railroads and related services; passenger ground transportation .....	.01276	.00265	.00135	.00212	.00530	.02857	.00152	.00431	.00182	.00219	.00116	.00632
65B	Motor freight transportation and warehousing .....	.02112	.01055	.00270	.00878	.01330	.01155	.00239	.01659	.01541	.01583	.00691	.01508
65C	Water transportation .....	.00126	.00175	.01612	.00046	.00149	.00531	.00251	.00073	.00101	.00128		.00212
65D	Air transportation .....	.00016	.00076	.00333	.01165	.00316	.00353	.00233	.00278	.00140	.00147	.00446	.00340
65E	Pipelines, freight forwarders, and related services .....	.00098	.00019	.00010	.00007	.00009	.00019	.00009	.00015	.00002	.00003	.00004	.00003
66	Communications, except radio and TV .....	.00250	.00231	.00135	.00329	.00242	.00134	.00186	.00292	.00387	.00456	.00311	.00147
67	Radio and TV broadcasting												
68A	Electric services (utilities) .....	.01869	.00795	.00073	.00177	.07396	.02177	.01543	.04992	.00155	.00175	.00858	.00828
68B	Gas production and distribution (utilities) .....		.00290	.00021	.00007	.00716	.00130	.02677	.02003	.00025		.00171	.00405
68C	Water and sanitary services .....	.00117	.00502	.00156			.00011	.00079	.00058	.00111	.00134	.00089	.00129
69A	Wholesale trade .....	.05389	.05514	.02112	.03448	.02810	.03143	.00887	.03472	.03972	.03921	.02543	.05507
69B	Retail trade .....			.00208	.00028	.00140	.00137	.00120	.00329	.04023	.04519	.00012	.00186
70A	Finance .....	.00509	.00470	.00822	.00616	.00744	.00680	.00559	.00943	.00642	.00598	.00668	.00655
70B	Insurance .....	.00340	.00343	.00499	.00273	.00242	.00163	.00107	.00336	.00593	.00379	.00136	.00166
71A	Owner-occupied dwellings												
71B	Real estate and royalties .....	.04342	.08657	.00125	.00761	.00875	.02099	.16307	.01155	.00542	.00583	.00959	.00397
72A	Hotels and lodging places .....	.00027	.00033	.00291	.00152	.00298	.00301	.00251	.00278	.00089	.00100	.00303	.00260
72B	Personal and repair services (except auto) .....	.00028	.00066	.00062	.00255	.00047	.00030	.00011	.00029	.00053	.00066	.00089	.00114
73A	Computer and data processing services .....	.00058	.00055	.00135	.00057	.00214	.00085	.00109	.00380	.00074	.00091	.00870	.00165
73B	Legal, engineering, accounting, and related services .....	.00066	.00069	.02309	.01458	.01442	.01516	.01786	.00957	.06870	.03624	.00497	.00287
73C	Other business and professional services, except medical .....	.00470	.01036	.01654	.01087	.01247	.00747	.00364	.00877	.02920	.03319	.01545	.00996
73D	Advertising .....	.00012	.00021	.00062	.00358	.00047	.00052	.00121	.00314	.00075	.00084	.00485	.02584
74	Eating and drinking places .....	.00010	.00015	.00364	.00205	.00391	.00357	.00296	.00402	.00110	.00122	.00400	.00320
75	Automotive repair and services .....	.00202	.00454	.00572	.01313	.00456	.00167	.00107	.00219	.00657	.00057	.00206	.00375
76	Amusements .....			.00021	.00775	.00009	.00030	.00028	.00007	.00012	.00015	.00019	.00049
77A	Health services .....	.01545											
77B	Educational and social services, and membership organizations .....	.00059	.00058	.00260	.00064	.00167	.00197	.00076	.00058	.00006	.0		

Direct Requirements, 1992

of industry output, at producers' prices]

Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	News-papers and periodicals	Other printing and publishing	Industrial and other chemicals	Agricultural fertilizers and chemicals	Plastics and synthetic materials	Drugs	Cleaning and toilet preparations	Paints and allied products	Commodity number
15	16	17	18	19	20+21	22+23	24	25	26A	26B	27A	27B	28	29A	29B	30	
.....	0.00934	0.00296	0.00027	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.00103	.....	1
.07709	.06464	.0262	.00081	.....	.....	.....	.00011	.....	.....	.....	.00534	.....	.....	.00219	.....	.....	2
.....	.....	.....	.00282	.....	.08125	.00012	.....	.....	.....	.00005	.00026	.00056	.00002	.00035	.....	.00049	3
.00010	.00024	.00028	.00016	.00026	.00029	.00051	.00041	.00025	.00046	.00026	.00042	.00039	.00033	.00048	.00033	.00028	4
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.00960	.00095	.....	.....	.....	.00141	5+6
.00065	.00065	.00080	.00029	.00016	.00005	.00028	.00367	.00078	.....	.....	.00187	.00163	.00121	.00029	.00023	.00014	7
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.03148	.03500	.00493	.....	.....	.....	8
.....	.....	.....	.....	.....	.....	.....	.00325	.....	.....	.....	.00918	.05148	.....	.00002	.00033	.00028	9+10
.00214	.00528	.00927	.00404	.00336	.00329	.00430	.01210	.00498	.00584	.00511	.00994	.00830	.01039	.00726	.00543	.00366	11
.....	.....	.....	.00063	.....	.....	.....	.00123	.00641	.....	.....	.....	.00330	.01610	.00108	.00345	.01012	12
.08340	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.00909	13
.....	.21085	.16917	.21456	.26770	.....	.04484	.0109	.....	.....	.00065	.....	.....	.00019	.....	.....	.....	14
.00010	.00146	.03129	.00033	.06088	.00195	.02627	.00667	.....	.00007	.00037	.00001	.....	.00002	.00013	.00030	.....	15
.....	.00082	.....	.19754	.02299	.00008	.00007	.00005	.....	.....	.....	.....	.....	.00004	.....	.....	.....	16
.00005	.....	.00011	.03197	.03186	.00002	.00047	.00002	.....	.....	.....	.00001	.....	.....	.00003	.00010	.....	17
.00002	.....	.....	.00001	.00184	.00111	.07711	.06533	.00116	.00019	.00006	.00034	.....	.....	.00002	.00005	.....	18
.....	.....	.....	.....	.....	.00085	.00980	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
.00272	.00072	.00159	.00108	.00068	.00056	.00233	.14722	.42122	.08974	.14571	.00264	.00264	.01582	.00244	.00295	.00014	20+21
.01126	.00106	.00267	.00146	.00210	.00267	.01580	.01311	.00241	.00026	.00446	.00484	.00454	.00441	.01059	.03793	.00007	22+23
.....	.....	.00006	.....	.....	.00015	.00005	.00007	.00066	.02026	.00148	.00007	.....	.00004	.00010	.00003	.....	24
.00643	.00005	.00006	.00043	.00063	.00017	.00028	.00194	.00022	.06925	.11162	.00017	.00594	.00002	.00617	.00404	.00077	26A
.00010	.02267	.02207	.00007	.00572	.00508	.00161	.04711	.02070	.00725	.01789	.22937	.10914	.34005	.02440	.09738	.20390	26B
.....	.....	.....	.....	.....	.00243	.....	.00024	.....	.....	.00843	.11474	.00470	.....	.....	.....	.....	27A
.00705	.16506	.24255	.01215	.02073	.00372	.00300	.02441	.00473	.....	.00006	.00783	.00312	.....	.....	.....	.....	27B
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.13347	.....	.12516	28
.00169	.00103	.00427	.00409	.....	.00009	.00074	.00423	.....	.....	.....	.00106	.00398	.00581	.00078	.05418	.00014	29A
.....	.....	.....	.....	.....	.00166	.00917	.00009	.00332	.00002	.00003	.00482	.....	.00033	.....	.00028	.01782	29B
.00137	.00353	.00415	.00213	.00236	.00718	.00505	.00642	.00748	.00196	.00196	.01721	.01026	.00414	.00132	.01067	.01000	30
.00560	.00468	.00967	.00500	.01784	.00934	.04440	.03329	.00457	.00034	.01234	.01133	.00836	.04211	.02093	.06135	.00007	31
.....	.....	.....	.00373	.02257	.00010	.00105	.....	.....	.00002	.00002	.....	.....	.....	.....	.....	.....	32
.....	.00716	.00057	.....	.....	.00312	.00393	.....	.....	.....	.....	.00097	.00090	.00015	.00408	.00540	.00021	33+34
.00007	.00002	.....	.....	.....	.00398	.00282	.00083	.....	.....	.00002	.00109	.00168	.00017	.00018	.00008	.01303	35
.....	.....	.....	.00011	.....	.00044	.03762	.00029	.00730	.00002	.00025	.00290	.00006	.00002	.....	.00003	.00035	36
.....	.....	.....	.....	.....	.00020	.01021	.00090	.00222	.....	.00043	.00008	.....	.....	.....	.00003	.00007	37
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.00589	.00477	.00008	.00129	.01088	.03522	38
.....	.....	.....	.....	.....	.00564	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	39
.00115	.....	.....	.....	.....	.00405	.01110	.00005	.00056	.....	.....	.00003	.....	.....	.00104	.00124	.00014	40
.....	.....	.....	.....	.....	.01096	.04663	.00333	.00733	.00041	.00023	.00651	.00236	.00033	.00064	.00237	.00014	41
.....	.....	.....	.....	.....	.....	.....	.....	.....	.00002	.....	.....	.....	.....	.....	.....	.....	42
.....	.....	.....	.....	.....	.00033	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	43
.....	.....	.....	.....	.....	.00087	.00084	.00054	.00075	.00007	.00027	.00038	.00006	.00050	.00005	.00018	.00007	44+45
.00025	.00036	.00023	.00003	.00037	.00040	.00037	.00293	.00463	.00044	.00374	.00582	.00042	.00042	.00065	.00010	.....	46
.....	.00149	.01177	.00007	.00189	.00175	.00170	.00035	.....	.....	.....	.00005	.00056	.00054	.00065	.00010	.....	47
.....	.....	.....	.....	.....	.00163	.00198	.00213	.00191	.00034	.00085	.00353	.00050	.00156	.00038	.00086	.00021	48
.00002	.00168	.00114	.00030	.00100	.....	.....	.....	.....	.00039	.00044	.....	.....	.....	.....	.....	.....	49
.00005	.....	.....	.....	.....	.....	.....	.....	.....	.00004	.00001	.00043	.....	.00002	.00003	.00018	.....	50
.00015	.....	.....	.00001	.....	.00081	.00005	.00008	.....	.00004	.00001	.00043	.....	.00002	.00003	.00018	.....	51
.00037	.00005	.....	.....	.....	.00007	.00028	.00022	.....	.....	.00001	.00072	.00006	.00010	.00011	.00053	.....	52
.....	.....	.....	.....	.....	.00199	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	53
.00042	.00005	.....	.....	.....	.00152	.00016	.00023	.....	.00005	.00003	.00005	.00011	.00008	.00019	.00050	.....	54
.....	.....	.....	.....	.....	.....	.....	.....	.....	.00002	.00004	.....	.....	.....	.....	.....	.....	55
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	56
.00005	.....	.00006	.00004	.....	.00018	.00002	.00006	.00003	.00037	.00013	.00002	.....	.....	.....	.....	.....	57
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	58
.00005	.00014	.00017	.00014	.....	.00274	.00037	.00022	.00025	.00069	.00030	.00011	.00022	.00002	.00024	.00005	.00014	59A
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	59B
.....	.....	.....	.....	.....	.00002	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60
.00007	.....	.....	.....	.....	.00001	.00023	.00021	.00019	.00034	.00103	.00089	.00045	.00008	.00022	.00013	.00028	61
.00002	.00007	.00006	.00003	.00005	.00014	.00014	.00010	.00006	.00259	.00716	.00019	.00006	.00008	.00067	.00013	.00007	62
.00012	.....	.00006	.01030	.00121	.00041	.00026	.00004	.00003	.00037	.00063	.00003	.....	.00002	.00048	.00015	.00007	63
.00092	.00396	.00580	.00101	.00115	.00729	.00328	.01140	.01184	.00321	.00450	.01078	.01565	.00958	.00201	.00517	.01817	64
.00453	.01025	.01667	.00839	.01254	.02389	.01350	.02819	.03792	.00896	.01632	.02311	.05530	.01967	.00405	.01143	.02536	65A
.00022	.00036	.00131	.00007	.00031	.00158	.00035	.00191	.00038	.00007	.00022	.00355	.00482	.00331	.00019	.00136	.00317	65B
.00274	.00030	.00310	.00415	.00467	.00323	.00356	.00358	.00454	.00347	.00394	.00360	.00303	.00352	.00387	.00338	.00317	65C
.00005	.....	.....	.00003	.....	.00005	.....	.00008	.00006	.00007	.00003	.00169	.00006	.00027	.00003	.00005	.00014	65D
.00152	.00142	.00273	.00197	.00231	.00184	.00316	.00226	.00285	.00614	.00391	.00214	.00213	.00445	.00035	.00310	.00247	65E
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	66
.00209	.02745	.01433	.00997	.00834	.01220	.00894	.02594	.01014	.00517	.00805	.02591	.01632	.02231	.00702	.00522	.00585	67
.00037	.00487	.00546	.00333	.00352	.00211	.00235	.01194	.00241	.00099	.00213	.01991	.02103	.01253	.00244	.00209	.00169	68A
.00012	.00115	.00199	.00046	.00105	.00137	.00088	.00549	.00094	.00030	.00068	.00796	.00572	.00539	.00191	.00172	.00352	68B
.01783	.04625	.03965	.04263	.04933	.05983	.06927	.05025	.06159	.02370	.03617	.05258	.05154	.04942	.06334	.05128	.04360	68C
.00286	.00065	.00017	.00017	.00021	.00089	.00172	.00139	.00025	.00072	.00033	.00057	.00062	.00058	.00073	.00320	.00014	69A
.00650	.00552	.00666	.00655	.00703	.00680	.00793	.00678	.00645	.00711	.00679	.00721	.01043	.00756	.00771	.00765	.00761	69B
.00139	.00134	.00142	.00135	.00142	.00174	.00179	.00162	.00144	.00169	.00154	.00171	.00168	.00142	.00136	.00139	.00134	70A
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70B
.00339	.00336	.00461	.01104	.01506	.00670	.01056	.00366	.00510	.03086	.02291	.00734	.00505	.0038				

Direct Requirements, 1992—Continued

of industry output, at producers' prices]

Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Electrical industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Commodity number
43	44+45	46	47	48	49	50	51	52	53	54	55	56	57	58	59A	59B	
																	1
																.00001	2
																.00001	3
.00047	.00041	.00025	.00035	.00035	.00050	.00048	.00025	.00026	.00061	.00048	.00037	.00025	.00076	.00080	.00015	.00030	4
	.00037		.00023				.00005		.00119			.00061		.00033		.00348	5+6
.00006	.00009		.00004	.00005	.00007	.00008	.00002	.00008	.00004				.00003		.00012	.00026	7
			.00082	.00005						.00168			.00001				8
																	9+10
.00657	.00512	.00405	.00621	.00583	.00500	.00654	.00594	.00658	.00532	.00517	.00481	.00608	.01304	.00561	.00326	.00705	11
																	12
										.00012							13
					.00718	.00132			.00004			.00002					14
.00041			.00012	.00010	.00003			.00004				.00002		.00001		.00118	15
															.00003	.00061	16
	.00156	.00123	.00320	.00267	.00091	.00016		.00238	.00083	.00066	.00005	.00004			.00003	.00019	17
									.00012	.01168	.00018	.00018		.00005	.01673	.00037	18
.00041	.00031	.00049	.00062	.00677	.00429	.00032	.00055	.00469	.00511	.01419	.00644	.00399	.00209	.00198	.00029	.00087	19
.00082	.00003	.00012	.00367	.00109	.00409	.00267	.00285	.00370	.00356	.01034	.01366	.00228	.00151	.01178	.00013	.00411	20+23
	.00003		.00004	.00005	.00012	.00013	.00004	.00007	.00007	.00010	.00008	.00013	.00019	.00003	.00005	.00005	24
.00012	.00016	.00012	.00020	.00010	.00010	.00016	.00013	.00004	.00007	.00036	.00005	.00033	.00007	.00009	.00012	.00032	25
.00006	.00069	.00037	.00648	.00129	.00007	.00020		.00227	.00144	.00679	.00262	.00033	.00128	.00079	.00474	.00441	26A
																	26B
					.00050	.00048	.00038	.00404	.00295	.02543	.02255	.00251	.00275	.01216	.00005	.00548	27A
																	27B
							.00008	.00038	.00065	.00096	.00120	.00036	.00010	.00014	.00005	.00005	28
.00117	.00378	.00135	.00203	.00050	.00032	.00056	.00056	.00321	.00248	.00818	.00037	.00021		.01140	.00529	.00005	29A
.00153	.00215	.00380	.00285	.00252	.00305	.00243	.00070	.00170	.00586	.00397	.00340	.00082	.00107	.00198	.00125	.00201	29B
.01185	.04221	.01987	.00925	.01977	.02589	.00479	.01270	.02661	.02798	.08710	.02930	.01938	.01490	.06502	.06101	.02580	30
				.00069				.00015		.00198	.02475	.00004	.00899		.00001	.00001	31
.00440	.00125	.00098	.00890	.00203	.00262	.00355	.00013	.00450	.00305	.00541	.00989	.00017	.00066	.00075	.00133	.00336	32
.13049	.10602	.11249	.07548	.06263	.07668	.07355	.00113	.05424	.04682	.06835	.03610	.04688	.00468	.01871	.00155	.08408	33+34
.02546	.00843	.02404	.02237	.04187	.02620	.06079	.00776	.05870	.05178	.04508	.05369	.01135	.02385	.05362	.00029	.07238	35
				.00069													36
.01379	.04449	.01595	.01214	.01443	.01167	.00355	.00668	.00839	.00503			.00535	.00385	.00368		.02042	37
.03773	.01430	.03067	.00851	.00959	.00963	.00977	.00754	.03175	.01838	.02957	.02867	.01043	.01030	.01065	.08362	.04028	38
.03385	.01655	.02343	.01156	.02827	.01261	.01603	.00308	.01735	.00716	.01659	.02145	.00654	.03499	.01993	.01854	.01374	39
.07252	.05307	.00785		.00331	.00480	.00096		.00110	.00892						.01340	.00245	40
	.03793																41
	.00028	.01877		.00015	.00023										.00005	.00007	42
.00622	.00500	.00454	.04623	.00914	.00503	.01528	.00044	.00473	.00219	.00186	.00288	.00071	.00156	.00221	.00131	.00243	43
			.03322										.00103				44
.01660	.02754	.05680	.01035	.02511	.07735	.01272	.00036	.01765	.00442	.00373		.00035		.00377	.00036	.01683	45
.04459	.02766	.03005	.03034	.03969	.03240	.06322	.00133	.02181	.00726	.00210	.00445	.00199	.00443	.00462	.00527	.03824	46
				.00089			.18300		.00040			.00383	.01090	.00683	.00001	.00002	47
				.00015	.00003			.07571	.00004	.02092	.00010	.00015	.00001	.01476	.00263	.00011	48
.04054	.00668	.03030	.02265	.03826	.03730	.00275	.01758	.05375	.07052	.04707	.02679	.00276	.00106	.01225	.00005	.00011	49
										.00126							50
	.00031		.00023		.00020		.01100	.00684	.00205	.01431	.03176	.00709	.00190	.00330	.00557	.00075	51
							.00111					.03181	.00151	.00151	.01174	.00001	52
.01168	.00599	.00405	.00176	.00094	.00067	.00311	.00015	.00015	.00015	.00872	.00738	.23585	.18266	.09575	.01736	.02581	53
						.00072	.00023		.00040	.00006	.00005	.00520		.02813	.01656	.01739	54
.00440	.00403	.00012	.00023	.00010	.00013	.00012	.00006	.00015	.00007			.00005	.00004	.00004	.00019	.08799	55
																	56
																	57
.00012	.00009	.00012	.00020	.00015	.00013	.00032	.00005	.01633	.00144	.03925		.00247	.00202	.00269	.00586	.00005	58
	.00022	.00049	.00012	.00005	.00005	.00002	.00020	.00015	.00022	.00006	.00021	.00021	.00021	.00033	.00013	.00020	59
.00117	.00206	.00147	.00144	.00103	.00107	.00187	.00075	.00170	.00277	.00258	.00194	.00092	.00190	.00184	.00345	.00336	60
.01748	.01586	.01116	.01078	.01003	.00862	.00917	.00181	.00945	.00823	.01214	.01010	.00332	.00436	.01169	.01574	.01445	61
	.00053		.00023	.00015	.00007	.00024	.00008	.00019	.00072	.00030	.00010	.00008	.00025	.00033	.00033	.00041	62
.00604	.00465	.00429	.00359	.00499	.00423	.00427	.00558	.00389	.00414	.00355	.00330	.00408	.00433	.00401	.00658	.00528	63
.00006	.00003					.00004	.00005	.00004				.00004	.00003		.00006	.00005	64
.00223	.00287	.00356	.00437	.00465	.00433	.00287	.00383	.00295	.00406	.00343	.00303	.00410	.00358	.00264	.00107	.00182	65
																	66
.00792	.00812	.00601	.01113	.00806	.01077	.01213	.00544	.00752	.01000	.00811	.01020	.00529	.01298	.01070	.00323	.00987	67
.00205	.00265	.00233	.00269	.00208	.00285	.00299	.00069	.00212	.00280	.00252	.00303	.00079	.00162	.00212	.00094	.00218	68A
.00117	.00081	.00037	.00070	.00064	.00104	.00076	.00053	.00272	.00090	.00042	.00105	.00038	.00099	.00259	.00052	.00290	68B
.05632	.07321	.08587	.04732	.06984	.06088	.03777	.10373	.06751	.07016	.06853	.07153	.05769	.05434	.08119	.08229	.06944	69
.00023	.00028	.00012	.00016	.00020	.00027	.00020	.00025	.00068	.00068	.00168	.00162	.00056	.00028	.00090	.00031	.00051	70
.00657	.00712	.00638	.00683	.00652	.00678	.00702	.00757	.00733	.00849	.00733	.00717	.00744	.00765	.00801	.00672	.00751	71
.00129	.00153	.00159	.00148	.00124	.00141	.00136	.00136	.00144	.00129	.00144	.00136	.00128	.00142	.00141	.00149	.00147	72
																	73
.00569	.00481	.00748	.01078	.01092	.00694	.01344	.01281	.00514	.00791	.00373	.01067	.00959	.01025	.00777	.00344	.00402	74
.00305	.00312	.00270	.00308	.00306	.00302	.00303	.00313	.00299	.00302	.00307	.00303	.00299	.00304	.00297	.00301	.00304	75
.00129	.00119	.00074	.00098	.00079	.00134	.00104	.00050	.00098	.00115	.00072	.00078	.00071	.00182	.00141	.00086	.00212	76
.00475	.00378	.00184	.00297	.00222	.00332	.00219	.00876	.00404	.00237	.00144	.00351	.00512	.00489	.00250	.00085	.00298	77
.00282	.00702	.00834	.00793	.00954	.00724	.00754	.00943	.00597	.00435	.00337	.00539	.00823	.01410	.00400	.00799	.00625	78
.01173	.01189	.01141	.01347	.01186	.01369	.01883	.01137	.00998	.01417	.01016	.01235	.01204	.01775	.01838	.00691	.01206	79
.00229	.00815	.00711	.00738	.00821	.00969	.00889	.00899	.00835	.01197	.02621	.02020	.00658	.01176	.00938	.00453	.01966	80
.00405	.00421	.00393	.00480	.00445	.00443	.00403	.00361	.00404	.00424	.00433	.00455	.00376	.00383	.00457	.00366	.00390	81
.00293	.00312	.00221	.00344	.00242	.00352	.00											

Table 3.1.—Commodity-by-Industry
[Direct requirements per dollar]

Commodity number	For the composition of inputs to an industry, read the column for that industry	Aircraft and parts	Other transportation equipment	Scientific and controlling instruments	Ophthalmic and photographic equipment	Miscellaneous manufacturing	Railroads and related services; passenger ground transportation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services
		60	61	62	63	64	65A	65B	65C	65D	65E
	Industry number	60	61	62	63	64	65A	65B	65C	65D	65E
1	Livestock and livestock products					0.00007					
2	Other agricultural products .....	.00001				.00082		.00001	.00009	.00001	
3	Forestry and fishery products .....					.00034			.00009		
4	Agricultural, forestry, and fishery services .....	.00062	.00047	.00048	.00033	.00019	.00002	.00001			
5+6	Metallic ores mining .....	.00030		.00013		.00027					
7	Coal mining .....	.00015	.00020	.00030	.00079	.00005			.00028		
8	Crude petroleum and natural gas .....										.00247
9+10	Nonmetallic minerals mining .....					.00012					
11	New construction										
12	Maintenance and repair construction .....	.00781	.00357	.00591	.00617	.00457	.04421	.00441	.00092	.00254	.01708
13	Ordnance and accessories .....										.00015
14	Food and kindred products .....	.00007		.00052		.00218			.00256	.00245	
15	Tobacco products										
16	Broad and narrow fabrics, yarn and thread mills .....	.00097		.00301		.01118				.00001	
17	Miscellaneous textile goods and floor coverings .....	.00006	.00310	.00525	.00004	.00070		.00005	.00136		
18	Apparel .....	.00006		.00017		.00438	.00041	.00002	.00194	.00009	
19	Miscellaneous fabricated textile products .....	.00141	.00413	.00001		.00109		.00007	.00311	.00006	.00226
20+21	Lumber and wood products .....	.00020	.01333	.00070		.01193		.00020	.00009	.00002	.00488
22+23	Furniture and fixtures .....	.00054	.00120	.00048		.00051					
24	Paper and allied products, except containers .....	.00026	.00027	.00361	.03713	.00675	.00039	.00036		.00033	.00060
25	Paperboard containers and boxes .....	.00015	.00017	.00454	.01003	.01888	.00007	.00058		.00003	.00232
26A	Newspapers and periodicals .....	.00005	.00003	.00010	.00046	.00017	.00025	.00025	.00120	.00020	.00048
26B	Other printing and publishing .....	.00030	.00007	.00067	.00012	.00157	.00361	.00223	.00102	.00163	.00720
27A	Industrial and other chemicals .....	.00069	.00053	.00148	.02093	.01014	.00187	.00062	.00037	.00019	.00024
27B	Agricultural fertilizers and chemicals										
28	Plastics and synthetic materials .....	.00307	.00430	.00426	.01152	.02401			.00012		
29A	Drugs										
29B	Cleaning and toilet preparations .....			.00028	.00058	.00092		.00001		.00003	
30	Paints and allied products .....	.00157	.00533	.00031		.00581		.00034	.00080	.00004	
31	Petroleum refining and related products .....	.00175	.00323	.00133	.00178	.00479	.05983	.04750	.02241	.10039	.00541
32	Rubber and miscellaneous plastics products .....	.01637	.02060	.02016	.02321	.03742	.00486	.01194	.00318	.00034	.00544
33+34	Footwear, leather, and leather products .....	.00001				.00075	.00002	.00001		.00001	.00003
35	Glass and glass products .....	.00019	.00603	.00351	.00638	.00058	.00093	.00002	.00012		.00036
36	Stone and clay products .....	.00214	.00093	.00116	.00041	.00339	.00004	.00005	.00006	.00001	.00012
37	Primary iron and steel manufacturing .....	.00815	.05360	.00914	.00174	.01873	.00725			.00002	
38	Primary nonferrous metals manufacturing .....	.02389	.01400	.01309	.00448	.04848	.00002	.00002	.00065		
39	Metal containers .....			.00024							
40	Heating, plumbing, and fabricated structural metal products .....	.00089	.02117	.00722	.00029	.00351			.00015		
41	Screw machine products and stampings .....	.00873	.00727	.01197	.00854	.00339	.00013		.00006	.00045	
42	Other fabricated metal products .....	.01557	.01773	.01497	.00274	.01138	.00474	.00285	.00681	.00074	.00220
43	Engines and turbines .....		.04277			.00005	.00393	.00061	.00669		.00101
44+45	Farm, construction, and mining machinery .....		.00117								
46	Materials handling machinery and equipment .....		.00003					.00003			
47	Metalworking machinery and equipment .....	.01005	.00197	.00144	.00120	.00242	.00135	.00012	.00465	.00030	
48	Special industry machinery and equipment .....							.00001			
49	General industrial machinery and equipment .....	.00270	.02180	.00066	.00017	.00053	.00604	.00027	.01150	.00005	.00312
50	Miscellaneous machinery, except electrical .....	.01341	.00803	.00427	.00377	.00777	.00188	.00035	.00293	.00131	.00128
51	Computer and office equipment .....	.00142		.01234	.00046	.00051		.00001		.00002	.00057
52	Service industry machinery .....		.00277	.00002	.00004	.00007	.00014	.00005		.00004	.00012
53	Electrical industrial equipment and apparatus .....	.00114	.02803	.01001	.00493	.00453	.00448	.00114	.00031	.00014	.00083
54	Household appliances .....		.00573						.00003		
55	Electric lighting and wiring equipment .....		.00327	.00275	.00025	.00044	.00038	.00027	.00037	.00007	
56	Audio, video, and communication equipment .....	.00737	.00057	.00784		.00012		.00002		.00001	.00024
57	Electronic components and accessories .....	.01594	.00027	.08923	.03535	.01109	.00027			.00126	
58	Miscellaneous electrical machinery and supplies .....	.00035	.00370	.00043	.00012	.00031	.00151	.00122	.00099	.00046	.00235
59A	Motor vehicles (passenger cars and trucks) .....		.02207								
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00007	.02147	.00009	.00017	.00012	.00696	.00484	.00003	.00015	.00086
60	Aircraft and parts	24824								.02873	
61	Other transportation equipment .....		.02680				.01693	.00004	.02284		.00003
62	Scientific and controlling instruments .....	.04969	.00310	.02882	.00510			.00008	.00003	.00014	
63	Ophthalmic and photographic equipment .....	.00021	.00007	.00026	.05151	.00027	.00018	.00037	.00022	.00020	.00083
64	Miscellaneous manufacturing .....	.00013	.00010	.00011	.00004	.07312	.00023	.00023	.00228	.00029	.00095
65A	Railroads and related services; passenger ground transportation .....	.00111	.00220	.00106	.00340	.00240	.04247	.00265	.00059	.00136	.00098
65B	Motor freight transportation and warehousing .....	.00491	.01307	.00430	.00717	.01191	.00660	.00012	.00321	.00248	.00622
65C	Water transportation .....	.00017	.00013	.00012	.00058	.00048	.00140	.00125	.13200	.00174	.00167
65D	Air transportation .....	.00768	.00463	.00381	.00348	.00336	.00384	.00373	.00237	.06441	.00693
65E	Pipelines, freight forwarders, and related services .....	.00009		.00004	.00004	.00793	.00000	.02974	.04337	.08307	.02270
66	Communications, except radio and TV .....	.00221	.00220	.00501	.00472	.00368		.00126	.00083	.01279	.02862
67	Radio and TV broadcasting										
68A	Electric services (utilities) .....	.00665	.00677	.00772	.00613	.00784	.00172	.00676	.00370	.00312	.01303
68B	Gas production and distribution (utilities) .....	.00107	.00187	.00082	.00232	.00254	.00002	.00071	.00028	.00015	.00033
68C	Water and sanitary services .....	.00144	.00133	.00064	.00095	.00075	.00194	.01281	.00111	.00132	.00098
69A	Wholesale trade .....	.00306	.05230	.04083	.05976	.08363	.02728	.03037	.01557	.01553	.00892
69B	Retail trade .....	.00015	.00027	.00052	.00079	.00133	.00332	.00452	.00046	.00046	.00077
70A	Finance .....	.00898	.00643	.00758	.00854	.00748	.01742	.00774	.03231	.01631	.02624
70B	Insurance .....	.00132	.00157	.00138	.00145	.00179	.00468	.00803	.00142	.00160	.00538
71A	Owner-occupied dwellings										
71B	Real estate and royalties .....	.00474	.01367	.01026	.00543	.01220	.01107	.02081	.02762	.01563	.02100
72A	Hotels and lodging places .....	.00325	.00287	.00302	.00298	.00290	.00249	.00380	.00142	.00319	.00295
72B	Personal and repair services (except auto) .....	.00157	.00063	.00072	.00062	.00082	.00138	.00063	.00059	.00290	.00211
73A	Computer and data processing services .....	.00842	.00373	.00475	.00332	.00191	.01413	.00287	.00863	.02362	.06979
73B	Legal, engineering, accounting, and related services .....	.00950	.00557	.01138	.00240	.00620	.00725	.00520	.02105	.01138	.05212
73C	Other business and professional services, except medical .....	.01556	.01117	.02287	.01968	.01568	.01984	.02042	.07263	.01634	.02743
73D	Advertising .....	.00430	.00070	.01540	.01281	.03953	.00396	.00012	.03835	.01475	.02478
74	Eating and drinking places .....	.00400	.00410	.00413	.00394	.00453	.00413	.00447	.00176	.01946	.00369
75	Automotive repair and services .....	.00361	.00213	.00237	.00240	.00283	.01177	.05759	.00046	.00161	.00654
76	Amusements .....	.00035	.00017	.00036	.00037	.00041	.00025	.00043	.00046	.00063	.00051
77A	Health services .....							.00037			
77B	Educational and social services, and membership organizations .....	.00221	.00073	.00206	.00390	.00385	.00244	.00048	.00373	.00069	.00747
78	Federal Government enterprises .....	.00091	.00037	.00118	.00070	.00286	.00106	.00148	.00031	.00081	.00393
79	State and local government enterprises .....	.00029	.00177	.00137	.00037	.00228	.00161	.00162		.00022	.00030
80	Noncomparable imports .....	.00096	.00070	.00209	.00758	.00184	.00328	.00359	.09106	.09376	.00744
81	Scrap, used and secondhand goods .....					.00002		.00003			
82	General government industry										
83	Rest of the world adjustment to final uses										
84	Household industry										
85	Inventory valuation adjustment										
I	Total intermediate inputs .....	.57249	52103	42907	40661	56548	38318	50063	60555	55210	41623
VA	Value added .....	.42751	47897	57093	58339	43452	61682	49937	39445	44790	58377
T	Total ¹	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000

* Less than .000005.
1. Detail may not

Direct Requirements, 1992—Continued

of industry output, at producers' prices]

Communications, except radio and TV	Radio and TV broadcasting	Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Retail trade	Finance	Insurance	Owner-occupied dwellings	Real estate and royalties	Hotels and lodging places	Personal and repair services (exc. auto)	Computer and data processing services	Legal, engineering, accounting, and related services	Other business and professional services, except medical	Advertising	Commodity number
66	67	68A	68B	68C	69A	69B	70A	70B	71A	71B	72A	72B	73A	73B	73C	73D	
(*)		.00001	.00001		.00013	(*)	.00001	.00001		.00005	.00008		.00002	.00002	0.00013		1
.00018	.00014	.00009			.00049	.00103	.00027	.00026	.00795	.00523	.00046	.00046	.00047	.00044	.00030	.00030	2
		.09173			.00002	.00001	(*)			.00001	.00003	.00003		(*)	(*)		3
		.00005	.41602		.00002												4
					.00001	(*)						.00003					5+6
.03929	.00886	.07797	.07298	.08002	.00429	.00960	.00275	.00265	.04738	.05377	.02560	.00558	.00268	.00151	.00263	.00171	7
					.00116	.00018					.00200				.00026		8
					.00015	.00010					.00010	.00155			.00002		9+10
(*)		.00001			.00009	.00008	(*)			(*)	.00022	.00040		.00001	.00002		11
.00044		.00001			.00105	.00006					.00082	.00040			.00026		12
.00001		.00004	.00003	.00818	.00048	.00006	.00042	.00008		.00002	.00844	.00283			.00002	.00060	13
.00009	.00003	.00004	.00003		.00332	.00020	.00018	.00020		.00008	.00020	.00047	.00016	.00029	.00026	.00013	14
						(*)				.00001			.00002	.00002	.00001		15
.00087	.00041	.00037	.00026	.00057	.00396	.00752	.00272	.00165		.00099	.00341	.00278	.00028	.00284	.00412	.00285	16
.00041	.00017	.00009	.00005	.00016	.00548	.00168	.00032	.00021		.00014	.00208	.00064	.00022	.00037	.00168	.00023	17
.00040	.00024	.00005	.00001	.00021	.00048	.00022	.00076	.00015		.00004	.00089	.00037	.00030	.00050	.00045	.00020	18
.00377	.00034	.00052	.00016	.00026	.00988	.00115	.00842	.00688		.00148	.00320	.01034	.00898	.00766	.00720	.07444	19
.00008	.00048	.00173	.00002	.02607	.00066	.00008	.00012	.00009	(*)	.00008	.00018	.00168	.00009	.00017	.00365	.00007	20+21
					.00059	.00004			.00075	.00024	.00188				.00001		22+23
					.00001	.00002						.00013					24
.00002					.00006												25
.00012		.00002	.00005		.00082	.00030	.00006	.00003		.00009	.00121	.01217	.00003	.00011	.00132		26A
.00027				.00010	.00003	.00006	(*)	.00020		.00005	.00002	.00010		.00001	.00016		26B
.00101	.00106	.01286	.00379	.03764	.00611	.00533	.00094	.00055		.00102	.00315	.00416	.00090	.00085	.00439	.00047	27A
.00212	.00014	.00097	.00010	.00813	.00478	.00340	.00030	.00148	.00013	.00072	.00414	.00421	.00166	.00095	.00305	.00087	27B
.00001		.00001	.00001		.00002	.00025	.00004	.00003		.00001	.00008	.00381	.00003	.00016	.00016		28
.00009		.00004		.00109	.00035	.00003	.00006	.00004		.00001	.00426	.00004	.00003	.00049	.00086		29A
		.00002		.00083	.00020	.00004	.00002			.00065	.00064	.00011		.00009	.00024		29B
.00008		.00059	.00001	.00005	.00012	.00001	(*)	(*)		.00001		.00008		.00001	.00021		30
		.00001			.00082							.00080			.00006		31
					.00019				.00029	.00015			.00007		.00011		32
.00175		.00025			(*)	(*)					.00010	.00093			.00030		33+34
.00117	.00007	.00019	.00010	.00427	.00092	.00118	.00064	.00092		.00034	.00064	.00259	.00036	.00067	.00093	.00033	35
.00171		.00536			.00004	.00014	.00001					.00003			.00041		36
					.00015				.00035						.00024		37
		.00008			.00077	.00002									.00043		38
.00002	.00003	.00046	.00019	.00016	.00034	.00009	.00001			.00001	.00002	.00013	.00003	.00004	.00167		39
					.00011	.00008				.00001	.00002	.00045	.00002	.00002	.00016		40
.00204		.00037	.00003	.00016	.00008	.00004	.00005		(*)	.00001	.00013	.00099	.00016	.00030	.00129	.00020	41
.00008	.00017	.00114	.00009	.00089	.00121	.00048	.00004	(*)		.00007	.00012	.00487	.00016	.00020	.00140	.00028	42
.00155	.00112	.00004	.00163		.00045	.00016	.00058	.00081	(*)	.00001	.00010	.00353	.00001	.00002	.00042	.00007	43
.00001		.00001	.00001	.00042	.00031	.00025	(*)	(*)		.00001	.00022	.00002	.00105	.00002	.00255	.00003	44+45
.00167	.00099	.00110			.00017	.00007	.00004	.00002		.00009	.00013	.00074			.00001		46
.00032		.00076	.00001	.00099	.00031	.00044	.00005	.00009		.00007	.00027	.00024	.00001	.00005	.00036	.00010	47
.01665	.00140				.00025	.00006	.00003	.00002		.00001	.00007	.00013	.00004	.00003	.00019	.00007	48
.01357	.00708				.00537	.00037	.00016	(*)		.00001	.01017	.00007	.00399	.00008	.00725	.00010	49
.00128	.00031	.00063	.00034	.00151	.00067	.00062	.00081	.00114		.00013	.00027	.00064	.00286	.00162	.00119	.00054	50
.00015	.00010	.00008	.00011	.06120	.00181	.00375	.00016	.00023		.00011	.00057	.00082	.00016	.00036	.00145	.00077	51
									(*)						.00082		52
.00012	.00010	.00061	.00023	.03665	.00009	.00009	(*)	.00023		.00006	.00025	.00080	.00058	.00007	.00050	.00003	53
.00040	.00136	.00005	.00009	.00031	.00109	.00036	.00149	.00140		.00025	.00047	.01042	.00057	.00234	.00349	.00124	54
.00071	.00017	.00019	.00011	.00021	.00094	.00091	.00155	.00076		.00028	.00143	.01441	.00046	.00122	.00185	.00111	55
.00075	.00061	.02740	.00043	.00224	.00091	.00082	.00079	.00119	.00001	.00067	.00107	.00077	.00070	.00071	.00160	.00064	56A
.00119	.00157	.00341	.00049	.00584	.00385	.00276	.01032	.00384	.00005	.00101	.00532	.00524	.00145	.00289	.00474	.00147	56B
.00005		.00433	.00077	.00089	.00025	.00014	.00008	.00003		.00002	.00025	.00033	.00009	.00014	.00035	.00010	56C
.00323	.00249	.00228	.00295	.00344	.00467	.00285	.00332	.00439		.00232	.00374	.00308	.00423	.00329	.00531	.00244	56D
.00006	.00003	.00020	.00502	.00047	.00052	.00009	.00006	.00007		.00005	.01341	.00011	.00009	.00008	.00013	.00010	56E
.13344	.01580	.00171	.00069	.02210	.01525	.00954	.01247	.01807		.00687	.01320	.01242	.02061	.01178	.01314	.01045	57
.00039	.02064																58
.00389	.00647	.00014	.00208	.00422	.00841	.02278	.00474	.00163		.01198	.03627	.01398	.00353	.00338	.00403	.00409	59A
.00034	.00017	.02757	.02706	.02706	.00204	.00165	.00115	.00018		.00172	.00602	.00439	.00025	.00051	.00085	.00023	59B
.00110	.00150	.00114	.00026	.07460	.00165	.00321	.00252	.00051		.00631	.01362	.00509	.00036	.00048	.00082	.00010	59C
.00864	.00324	.00699	.00631	.03185	.02539	.00453	.00436	.00287	.00041	.00153	.00738	.01758	.02344	.00481	.01126	.00891	59D
.00033	.00027	.00022	.00033	.00886	.00262	.00366	.00032	.00051	.00042	.00049	.00193	.00086	.00024	.00025	.00204	.00060	60
.01066	.00845	.01689	.00866	.00777	.01122	.01677	.14408	.04624	.01868	.00928	.05121	.00958	.00861	.01057	.00897	.00589	61
.00162	.00565	.00209	.00126	.01199	.00161	.00303	.00304	.27896	.00661	.00298	.00176	.00233	.00080	.00113	.00189	.00117	62
.01605	.02306	.00130	.00389	.00401	.02876	.07147	.03225	.03993	.03590	.06542	.07317	.05602	.03183	.05303	.02883	.04554	63
.00303	.00259	.00235	.00141	.00245	.00344	.00304	.00289	.00468		.00256	.00364	.00263	.00278	.00532	.00475	.00238	64
.00694	.00334	.00056	.00028	.00047	.00218	.00320	.00105	.00076		.0035							

Table 3.1.—Commodity-by-Industry Direct Requirements, 1992—Continued

[Direct requirements per dollar of industry output, at producers' prices]

Commodity number	For the composition of inputs to an industry, read the column for that industry	Eating and drinking places	Auto-motive repair and services	Amusements	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	General government industry	Household industry	Inventory valuation adjustment
		74	75	76	77A	77B	78	79	82	84	85
	Industry number										
1	Livestock and livestock products	0.00114		0.00032	0.00010	0.00028					
2	Other agricultural products .....	.00657	.00001	.00121	.00036	.00054	.00010				
3	Forestry and fishery products .....	.00622		.00005	.00007		.00010				
4	Agricultural, forestry, and fishery services .....	.00066	.00038	.00223	.00132	.00157	.00003	.00326			
5+6	Metallic ores mining										
7	Coal mining .....	.00002	.00001	.00001	.00001	.00001	.01204	.01372			
8	Crude petroleum and natural gas .....							.00679			
9+10	Nonmetallic minerals mining .....					.00001		.00055			
11	New construction										
12	Maintenance and repair construction .....	.00758	.00387	.00878	.00511	.04063	.01512	.21798			
13	Ordnance and accessories .....			.00008							
14	Food and kindred products .....	.21922		.00570	.00763	.01098	.00294				
15	Tobacco products										
16	Broad and narrow fabrics, yarn and thread mills .....			.00066	.00006	.00015	.00013	.00011			
17	Miscellaneous textile goods and floor coverings .....	.00014	.00040	.00008	.00009	.00004	.00007	.00012			
18	Apparel .....	.00003	.00031	.00088	.00109	.00035	.00002	.00037			
19	Miscellaneous fabricated textile products .....	.00056	.00090	.00044	.00122	.00035	.00179	.00002			
20+21	Lumber and wood products .....	.00009	.00008	.00064	.00024	.00085					
22+23	Furniture and fixtures .....		.00120	.00002	.00001	.00001	.00172				
24	Paper and allied products, except containers .....	.00320	.00137	.00180	.00416	.00579	.00126	.00048			
25	Paperboard containers and boxes .....	.00357	.00065	.00078	.00138	.00122	.00190				
26A	Newspapers and periodicals .....	.00010	.00030	.00052	.00069	.00412	.00007	.00006			
26B	Other printing and publishing .....	.00207	.00077	.00224	.00542	.04096	.01209	.00162			
27A	Industrial and other chemicals .....	.00107	.00158	.00096	.01445	.00092	.00171	.01303			
27B	Agricultural fertilizers and chemicals .....			.00110	.00006	.00021		.00152			
28	Plastics and synthetic materials .....				.00032						
29A	Drugs .....			.00007	.01341	.00028		.00003			
29B	Cleaning and toilet preparations .....	.00019	.00087	.00026	.00116	.00073	.00062	.00042			
30	Paints and allied products .....	.00002	.00246	.00030	.00001	.00025					
31	Petroleum refining and related products .....	.00257	.01418	.00290	.00178	.00423	.01204	.03892			
32	Rubber and miscellaneous plastics products .....	.00785	.02077	.00116	.01163	.00313	.00028	.00137			
33+34	Footwear, leather, and leather products .....	.00001	.00001	.00058	.00008	.00066	.00030				
35	Glass and glass products .....	.00149	.00567	.00004	.00164	.00130	.00005	.00053			
36	Stone and clay products .....	.00139	.00035	.00002	.00035	.00001		.00564			
37	Primary iron and steel manufacturing .....			.00001	(*)	.00009					
38	Primary nonferrous metals manufacturing .....	.00002	.00004	.00012	.00002	.00001	.00071				
39	Metal containers										
40	Heating, plumbing, and fabricated structural metal products .....			.00002		.00001		.00002			
41	Screw machine products and stampings .....	.00020	.01060	.00016	.00059	.00033	.00046	.00002			
42	Other fabricated metal products .....	.00037	.01211	.00073	.00076	.00109	.00013	.00025			
43	Engines and turbines .....	.00001	.00475		(*)	.00002	.00162	.00122			
44+45	Farm, construction, and mining machinery .....			.00003				.00172			
46	Materials handling machinery and equipment .....						.00008				
47	Metalworking machinery and equipment	(*)	.00023	.00006	.00002	.00007	.00007	.00013			
48	Special industry machinery and equipment .....	.00053	.00025	.00001	.00001	.00001					
49	General industrial machinery and equipment .....	.00058	.00018		.00001		.00013	.00015			
50	Miscellaneous machinery, except electrical .....	.00013	.00220	.00022	.00021	.00041	.00156	.00943			
51	Computer and office equipment .....	.00004	.00004	.00017	.00141	.00032	.00005				
52	Service industry machinery .....	.00016	.00667	.00083	.00018	.00018	.00025	.00416			
53	Electrical industrial equipment and apparatus .....	.00002	.00297	.00002	.00018	.00010		.00476			
54	Household appliances .....	.00002		.00002	.00002	.00007		.00011			
55	Electric lighting and wiring equipment .....	.00028	.00356	.00071	.00041	.00045	.00046	.00134			
56	Audio, video, and communication equipment .....	.00006	.00012	.00007	.00002	.00028		.00046			
57	Electronic components and accessories .....		.00197	.00002	.00035	.00080		.00045			
58	Miscellaneous electrical machinery and supplies .....	.00016	.00515	.00521	.00052	.00086	.00030	.00165			
59A	Motor vehicles (passenger cars and trucks) .....		.00078								
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00125	.11335	.00077	.00049	.00113	.01207	.00301			
60	Aircraft and parts .....		.00001								
61	Other transportation equipment .....			.00032		.00002	.00016	.00167			
62	Scientific and controlling instruments .....	.00002	.00069	.00011	.01698	.00100	.00002	.00014			
63	Ophthalmic and photographic equipment .....	.00007	.00030	.00047	.00232	.00198	.00018	.00014			
64	Miscellaneous manufacturing .....	.00132	.00036	.00252	.00072	.00400	.00054	.00055			
65A	Railroads and related services; passenger ground transportation .....	.00175	.00194	.00065	.00131	.00088	.01173	.00504			
65B	Motor freight transportation and warehousing .....	.00074	.00634	.00200	.00316	.00345	.01586	.00458			
65C	Water transportation .....	.00027	.00045	.00024	.00018	.00014	.00246	.00291			
65D	Air transportation .....	.00319	.00439	.00260	.00305	.00332	.02541	.00108			
65E	Pipelines, freight forwarders, and related services .....	.00006	.00184	.00005	.00008	.00011	.00010	.00032			
66	Communications, except radio and TV .....	.00388	.00912	.00767	.00884	.00927	.00323	.00504			
67	Radio and TV broadcasting										
68A	Electric services (utilities) .....	.02225	.00962	.01481	.00732	.00911	.00505	.04198			
68B	Gas production and distribution (utilities) .....	.00355	.00237	.00133	.00159	.00227	.00328	.02873			
68C	Water and sanitary services .....	.00567	.00281	.00258	.00281	.00292	.00543	.01213			
69A	Wholesale trade .....	.04654	.04133	.01470	.01506	.01301	.00677	.00784			
69B	Retail trade .....	.00140	.00764	.00093	.00075	.00143	.00018	.00020			
70A	Finance .....	.00953	.01594	.00878	.00658	.01167	.00668	.01187			
70B	Insurance .....	.00138	.00447	.00148	.00290	.00229	.00167	.00213			
71A	Owner-occupied dwellings										
71B	Real estate and royalties .....	.04910	.05127	.06280	.06067	.11214	.01178	.02323			
72A	Hotels and lodging places .....	.00289	.00345	.00252	.00302	.00314	.00033	.00026			
72B	Personal and repair services (except auto) .....	.00317	.01149	.00260	.00230	.00216	.00021	.00119			
73A	Computer and data processing services .....	.00267	.00416	.00443	.01102	.01864	.00377	.00469			
73B	Legal, engineering, accounting, and related services .....	.00888	.00721	.02221	.01676	.01411	.00215	.03551			
73C	Other business and professional services, except medical .....	.02095	.02086	.03348	.04362	.04912	.01488	.01809			
73D	Advertising .....	.02177	.01648	.03896	.00447	.02512	.00008	.00220			
74	Eating and drinking places .....	.01515	.00400	.00363	.00780	.00721	.00121	.00137			
75	Automotive repair and services .....	.00425	.01304	.00664	.00605	.00583	.00348	.00530			
76	Amusements .....	.00876	.00051	.16209	.00041	.00399		.00002			
77A	Health services .....			.00027	.02119						
77B	Educational and social services, and membership organizations .....	.00158	.00073	.00156	.00261	.00533	.00034	.00070			
78	Federal Government enterprises .....	.00171	.00363	.00414	.00954	.00953	.00079	.00289			
79	State and local government enterprises .....	.00069	.00120	.00034	.00034	.00042	.00038	.01081			
80	Noncomparable imports .....	.00046	.00009	.00183	.00004	.00009	.02070				
81	Scrap, used and secondhand goods	(*)	.00366	-.00128							
82	General government industry										
83	Rest of the world adjustment to final uses										
84	Household industry										
85	Inventory valuation adjustment										
I	Total intermediate inputs .....	.52032	.47254	.45046	.34255	.44948	.23107	.56803			
VA	Value added .....	.47967	.52746	.54954	.65745	.55052	.76893	.43197	1.00000	1.00000	1.00000
T	Total ¹	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000

* Less than .000005.

1. Detail may not add to 1 because of rounding.

Table 3.2.—Input Components by Industry: Direct Requirements, 1992 Benchmark

[Direct requirements per dollar of total industry output, at producers' prices]

Industry number		Value added				Total intermediate inputs	Total ¹	Industry number
		Total	Compensation of employees	Indirect business tax and nontax liability	Other value added			
1	Livestock and livestock products	0.17052	0.04951	0.01416	0.10685	0.82948	1.00000	1
2	Other agricultural products .....	.53316	.07266	.03128	.42924	.46882	1.00000	2
3	Forestry and fishery products .....	.49995	.17175	.05337	.27484	.50005	1.00000	3
4	Agricultural, forestry, and fishery services .....	.60111	.50296	.02014	.07801	.39889	1.00000	4
5+6	Metallic ores mining .....	.40283	.25314	.05042	.09927	.59717	1.00000	5+6
7	Coal mining .....	.58714	.31081	.09204	.18609	.41286	1.00000	7
8	Crude petroleum and natural gas .....	.46800	.13407	.04488	.28905	.53200	1.00000	8
9+10	Nonmetallic minerals mining .....	.60035	.32890	.04217	.22928	.39665	1.00000	9+10
11	New construction .....	.44375	.34960	.00621	.08794	.55625	1.00000	11
12	Maintenance and repair construction .....	.49398	.37362	.00319	.11717	.50602	1.00000	12
13	Ordnance and accessories .....	.57962	.39484	.01211	.17267	.42038	1.00000	13
14	Food and kindred products .....	.30608	.13718	.02508	.14382	.69392	1.00000	14
15	Tobacco products .....	.64034	.08374	.13900	.41919	.35906	1.00000	15
16	Broad and narrow fabrics, yarn and thread mills .....	.34863	.25032	.00598	.09233	.65137	1.00000	16
17	Miscellaneous textile goods and floor coverings .....	.32816	.20432	.00688	.11695	.67184	1.00000	17
18	Apparel .....	.33730	.27610	.00356	.05764	.66270	1.00000	18
19	Miscellaneous fabricated textile products .....	.38720	.27059	.00451	.11210	.61281	1.00000	19
20+21	Lumber and wood products .....	.36675	.21297	.00553	.14825	.63325	1.00000	20+21
22+23	Furniture and fixtures .....	.45285	.30253	.00517	.14515	.54715	1.00000	22+23
24	Paper and allied products, except containers .....	.40005	.20445	.00869	.18690	.59995	1.00000	24
25	Paperboard containers and boxes .....	.32250	.24992	.00877	.06381	.67750	1.00000	25
26A	Newspapers and periodicals .....	.59983	.33669	.00563	.25752	.40017	1.00000	26A
26B	Other printing and publishing .....	.52016	.30979	.00553	.20484	.47984	1.00000	26B
27A	Industrial and other chemicals .....	.36665	.19987	.01581	.15097	.63335	1.00000	27A
27B	Agricultural fertilizers and chemicals .....	.34698	.13970	.00892	.19836	.65302	1.00000	27B
28	Plastics and synthetic materials .....	.30763	.19234	.00826	.10722	.69217	1.00000	28
29A	Drugs .....	.50989	.19212	.01093	.30684	.49011	1.00000	29A
29B	Cleaning and toilet preparations .....	.46202	.14750	.00861	.30592	.53798	1.00000	29B
30	Paints and allied products .....	.40647	.20285	.00852	.19510	.59353	1.00000	30
31	Petroleum refining and related products .....	.13401	.06050	.02882	.04469	.86599	1.00000	31
32	Rubber and miscellaneous plastics products .....	.43821	.27953	.00835	.15033	.56179	1.00000	32
33+34	Footwear, leather, and leather products .....	.37489	.25267	.00694	.11529	.62511	1.00000	33+34
35	Glass and glass products .....	.53017	.31170	.00898	.20949	.46983	1.00000	35
36	Stone and clay products .....	.45588	.29053	.00960	.15574	.54412	1.00000	36
37	Primary iron and steel manufacturing .....	.35802	.27323	.01131	.07348	.64198	1.00000	37
38	Primary nonferrous metals manufacturing .....	.25610	.17987	.01140	.06482	.74390	1.00000	38
39	Metal containers .....	.19150	.15446	.00712	.02993	.80850	1.00000	39
40	Heating, plumbing, and fabricated structural metal products .....	.41838	.30632	.00723	.10483	.58162	1.00000	40
41	Screw machine products and stampings .....	.43466	.37141	.00715	.05610	.56534	1.00000	41
42	Other fabricated metal products .....	.47317	.32329	.00711	.14277	.52683	1.00000	42
43	Engines and turbines .....	.38899	.26731	.00780	.11388	.61101	1.00000	43
44+45	Farm, construction, and mining machinery .....	.40892	.27358	.00809	.12725	.59108	1.00000	44+45
46	Materials handling machinery and equipment .....	.43155	.32826	.00773	.09556	.56845	1.00000	46
47	Metalworking machinery and equipment .....	.56152	.45992	.00789	.09371	.43848	1.00000	47
48	Special industry machinery and equipment .....	.47679	.36642	.00796	.10242	.52321	1.00000	48
49	General industrial machinery and equipment .....	.48541	.36077	.00788	.11676	.51459	1.00000	49
50	Miscellaneous machinery, except electrical .....	.56480	.47453	.00778	.08249	.43520	1.00000	50
51	Computer and office equipment .....	.28146	.20895	.00795	.06456	.71854	1.00000	51
52	Service industry machinery .....	.41455	.28286	.00798	.12372	.58545	1.00000	52
53	Electrical industrial equipment and apparatus .....	.48319	.33076	.00737	.14506	.51681	1.00000	53
54	Household appliances .....	.35243	.21075	.00781	.13387	.64757	1.00000	54
55	Electric lighting and wiring equipment .....	.47224	.29868	.00748	.16608	.52776	1.00000	55
56	Audio, video, and communication equipment .....	.47213	.27704	.00736	.18773	.52787	1.00000	56
57	Electronic components and accessories .....	.48520	.33266	.00741	.14512	.51480	1.00000	57
58	Miscellaneous electrical machinery and supplies .....	.41917	.29529	.00754	.11634	.58083	1.00000	58
59A	Motor vehicles (passenger cars and trucks) .....	.15894	.11261	.00637	.03996	.84106	1.00000	59A
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.31502	.27857	.00546	.03098	.68498	1.00000	59B
60	Aircraft and parts .....	.42751	.34470	.00659	.07623	.57249	1.00000	60
61	Other transportation equipment .....	.47897	.35337	.00607	.11953	.52103	1.00000	61
62	Scientific and controlling instruments .....	.57093	.37522	.00605	.18966	.42907	1.00000	62
63	Ophthalmic and photographic equipment .....	.59339	.20447	.00605	.38287	.40661	1.00000	63
64	Railroads manufacturing .....	.43452	.29723	.00825	.12903	.56548	1.00000	64
65A	Railroads and related services, passenger ground transportation .....	.61682	.42074	.01804	.17803	.38318	1.00000	65A
65B	Motor freight transportation and warehousing .....	.49937	.33263	.01566	.15108	.50063	1.00000	65B
65C	Water transportation .....	.39445	.22010	.01797	.15638	.60555	1.00000	65C
65D	Air transportation .....	.44790	.34800	.06051	.03940	.55210	1.00000	65D
65E	Pipelines, freight forwarders, and related services .....	.58377	.31860	.02954	.23563	.41623	1.00000	65E
66	Communications, except radio and TV .....	.57936	.21125	.06065	.30747	.42064	1.00000	66
67	Radio and TV broadcasting .....	.40223	.28608	.01843	.09772	.59777	1.00000	67
68A	Electric services (utilities) .....	.64938	.13023	.07346	.44569	.35062	1.00000	68A
68B	Gas production and distribution (utilities) .....	.24016	.06266	.04647	.13104	.75984	1.00000	68B
68C	Water and sanitary services .....	.45887	.22610	.09556	.13721	.54113	1.00000	68C
69A	Wholesale trade .....	.70291	.40665	.17842	.11784	.29708	1.00000	69A
69B	Retail trade .....	.68834	.41412	.14010	.13411	.31165	1.00000	69B
70A	Finance .....	.60097	.34949	.03925	.21223	.39903	1.00000	70A
70B	Insurance .....	.44949	.39773	.06023	-.00848	.55049	1.00000	70B
71A	Owner-occupied dwellings .....	.87224	.....	.15970	.71254	.12776	1.00000	71A
71B	Real estate and royalties .....	.74936	.08790	.14493	.51654	.25063	1.00000	71B
72A	Hotels and lodging places .....	.56258	.35512	.08761	.11985	.43742	1.00000	72A
72B	Personal and repair services (except auto) .....	.58838	.33107	.02283	.23448	.41162	1.00000	72B
73A	Computer and data processing services .....	.61648	.42702	.01615	.17331	.38352	1.00000	73A
73B	Legal, engineering, accounting, and related services .....	.66700	.46509	.00670	.19521	.33300	1.00000	73B
73C	Other business and professional services, except medical .....	.72481	.42605	.01638	.28239	.27518	1.00000	73C
73D	Advertising .....	.64386	.39424	.01179	.23784	.36514	1.00000	73D
74	Eating and drinking places .....	.47967	.33930	.05930	.08107	.52032	1.00000	74
75	Automotive repair and services .....	.52746	.28234	.04847	.19665	.47254	1.00000	75
76	Amusements .....	.54954	.32466	.04130	.18358	.45046	1.00000	76
77A	Health services .....	.65745	.51475	.00608	.13662	.34255	1.00000	77A
77B	Educational and social services, and membership organizations .....	.55052	.50856	.00229	.03967	.44948	1.00000	77B
78	Federal Government enterprises .....	.76893	.78461	.....	-.01568	.23107	1.00000	78
79	State and local government enterprises .....	.43197	.29738	.....	.13458	.56803	1.00000	79
82	General government industry	1.00000	.85586	.....	.14414	.....	1.00000	82
84	Household industry	1.00000	1.00000	.....	.....	.....	1.00000	84
85	Inventory valuation adjustment	1.00000	.....	.....	1.00000	.....	1.00000	85

1. Detail may not add to 1 because of rounding.

Table 4.—Commodity-by-Commodity

[Total requirements, direct and indirect, per dollar

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Non-metallic minerals mining	New construction	Maintenance and repair construction	Ordnance and accessories
		1	2	3	4	5+6	7	8	9+10	11	12	13
1	Livestock and livestock products	1.20722	0.00324	0.02212	0.03306	0.00077	0.00058	0.00048	0.00056	0.00077	0.00080	0.00062
2	Other agricultural products	0.33041	1.04011	0.03492	0.12683	0.0168	0.0111	0.0090	0.0091	0.0422	0.0465	0.0104
3	Forestry and fishery products	0.0296	0.0120	1.02374	0.0197	0.0121	0.0074	0.0053	0.0053	0.0668	0.0822	0.0082
4	Agricultural, forestry, and fishery services	0.08015	0.07790	0.18378	1.02006	0.0289	0.0145	0.0178	0.0118	0.0510	0.0610	0.0172
5+6	Metallic ores mining	0.00097	0.00086	0.00059	0.0074	1.24342	0.0146	0.0124	0.0196	0.0300	0.0261	0.0370
7	Coal mining	0.00440	0.00237	0.0117	0.0160	0.1400	1.13119	0.0333	0.1117	0.0305	0.0261	0.0300
8	Crude petroleum and natural gas	0.02986	0.03761	0.03230	0.0231	0.4589	0.2942	1.27159	0.0515	0.0232	0.0252	0.1148
9+10	Nonmetallic minerals mining	0.00404	0.00889	0.00223	0.00619	0.0334	0.0148	0.0122	1.04025	0.1239	0.1312	0.0098
11	New construction									1.00037		
12	Maintenance and repair construction	0.03693	0.02881	0.04135	0.02166	0.4339	0.1544	0.4970	0.2242	0.1221	1.01187	0.1631
13	Ordnance and accessories	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	1.01284
14	Food and kindred products	0.25384	0.00414	0.04449	0.1738	0.0313	0.0224	0.0198	0.0241	0.0249	0.0247	0.0254
15	Tobacco products	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills	0.00268	0.00499	0.00240	0.00281	0.0069	0.0507	0.0028	0.0062	0.0213	0.0198	0.0187
17	Miscellaneous textile goods and floor coverings	0.00341	0.00282	0.00677	0.00371	0.0056	0.0045	0.0030	0.0048	0.0036	0.0039	0.0077
18	Apparel	0.0032	0.00025	0.00022	0.00027	0.0018	0.0034	0.0011	0.0016	0.0026	0.0026	0.0088
19	Miscellaneous fabricated textile products	0.0107	0.00206	0.00163	0.00339	0.0024	0.0019	0.0017	0.0016	0.0089	0.0106	0.0033
20+21	Lumber and wood products	0.00908	0.01085	0.00564	0.00445	0.1153	0.0656	0.0532	0.0362	0.7719	0.9569	0.0654
22+23	Furniture and fixtures	0.00004	0.00004	0.00004	0.00004	0.0004	0.0004	0.0003	0.0003	0.00314	0.0019	0.0030
24	Paper and allied products, except containers	0.01745	0.01083	0.00792	0.0802	0.0520	0.0354	0.0279	0.0505	0.1214	0.0996	0.0633
25	Paperboard containers and boxes	0.01008	0.00958	0.00525	0.0777	0.0250	0.0166	0.0088	0.0087	0.0397	0.0369	0.0433
26A	Newspapers and periodicals	0.00045	0.00030	0.00025	0.00040	0.0024	0.0023	0.0018	0.0155	0.0032	0.0029	0.0034
26B	Other printing and publishing	0.00568	0.00352	0.00378	0.00368	0.0315	0.0257	0.0231	0.0294	0.0436	0.0398	0.0294
27A	Industrial and other chemicals	0.01950	0.02344	0.01081	0.0207	0.0812	0.1986	0.2157	0.3189	0.2165	0.2018	0.2272
27B	Agricultural fertilizers and chemicals	0.03958	0.09872	0.02456	0.9862	0.0146	0.0063	0.0057	0.0082	0.0142	0.0158	0.0142
28	Plastics and synthetic materials	0.00624	0.00487	0.00429	0.00376	0.0532	0.0478	0.0146	0.0475	0.1018	0.1018	0.1118
29A	Drugs	0.00569	0.00038	0.00047	0.0010	0.0004	0.0003	0.0005	0.0005	0.0005	0.0004	0.0005
29B	Cleaning and toilet preparations	0.00202	0.00097	0.00191	0.00093	0.0066	0.0041	0.0036	0.0083	0.1110	0.0122	0.0043
30	Paints and allied products	0.00092	0.00068	0.00075	0.00080	0.0131	0.0066	0.0078	0.0081	0.1042	0.1062	0.0117
31	Petroleum refining and related products	0.03386	0.03972	0.04337	0.1991	0.4458	0.3792	0.1376	0.0519	0.2299	0.3155	0.0945
32	Rubber and miscellaneous plastics products	0.01966	0.01240	0.00790	0.00777	0.1921	0.1681	0.0380	0.1978	0.0268	0.2771	0.0242
33+34	Footwear, leather, and leather products	0.00063	0.00010	0.00033	0.0017	0.0006	0.0004	0.0006	0.0004	0.0012	0.0012	0.0006
35	Glass and glass products	0.00370	0.00078	0.00115	0.00121	0.0091	0.0069	0.0044	0.0040	0.0464	0.0274	0.0160
36	Stone and clay products	0.00264	0.00337	0.00205	0.0180	0.1088	0.0650	0.0505	0.0792	0.6001	0.3390	0.0426
37	Primary iron and steel manufacturing	0.00795	0.00591	0.00526	0.0413	0.5731	0.1998	0.2230	0.0289	0.3558	0.2945	0.0345
38	Primary nonferrous metals manufacturing	0.00734	0.00385	0.00398	0.00330	0.0896	0.0733	0.0382	0.0708	0.2881	0.2597	0.4539
39	Metal containers	0.00697	0.00092	0.00166	0.00121	0.0076	0.0031	0.0026	0.0042	0.0073	0.0073	0.0035
40	Heating, plumbing, and fabricated structural metal products	0.00269	0.00226	0.00249	0.0141	0.1417	0.0627	0.0311	0.0811	0.5544	0.4552	0.0236
41	Screw machine products and stampings	0.00204	0.00104	0.0106	0.0095	0.0411	0.0783	0.0088	0.0300	0.0480	0.0418	0.1118
42	Other fabricated metal products	0.00721	0.00578	0.00441	0.00527	0.0623	0.0678	0.0828	0.0538	0.2894	0.2417	0.1951
43	Engines and turbines	0.00100	0.00080	0.00177	0.00047	0.0657	0.0707	0.0086	0.0066	0.0084	0.0075	0.0165
44+45	Farm, construction, and mining machinery	0.00629	0.00764	0.00521	0.00249	0.8887	0.3885	0.0396	0.4034	0.0297	0.0283	0.0041
46	Materials handling machinery and equipment	0.00024	0.00026	0.00013	0.00019	0.0805	0.0685	0.0073	0.1509	0.0333	0.0048	0.0015
47	Metalworking machinery and equipment	0.00135	0.00102	0.00070	0.00056	0.0248	0.0152	0.0085	0.0154	0.0285	0.0229	0.0460
48	Special industry machinery and equipment	0.00055	0.00042	0.00035	0.00042	0.0068	0.0029	0.0022	0.0037	0.0054	0.0054	0.0033
49	General industrial machinery and equipment	0.00211	0.00183	0.00161	0.00098	0.0828	0.1309	0.0249	0.1216	0.1034	0.0527	0.1543
50	Miscellaneous machinery, except electrical	0.00315	0.00304	0.00191	0.00194	0.0693	0.0860	0.0331	0.0125	0.0136	0.0309	0.1165
51	Computer and office equipment	0.00112	0.00081	0.00083	0.00079	0.0117	0.0076	0.0078	0.0111	0.0143	0.0122	0.0407
52	Service industry machinery	0.00073	0.00056	0.00087	0.00057	0.0076	0.0052	0.0077	0.0063	0.1241	0.1202	0.0036
53	Electrical industrial equipment and apparatus	0.00176	0.00131	0.00134	0.00090	0.0473	0.0493	0.0202	0.0617	0.0986	0.0798	0.0909
54	Household appliances	0.00015	0.00013	0.00014	0.00010	0.0016	0.0007	0.0017	0.0008	0.0229	0.0273	0.0008
55	Electric lighting and wiring equipment	0.00167	0.00123	0.00139	0.00135	0.0111	0.0118	0.0112	0.0073	0.1948	0.1773	0.0160
56	Audio, video, and communication equipment	0.00042	0.00031	0.00031	0.00029	0.0036	0.0021	0.0032	0.0026	0.0466	0.0326	0.1234
57	Electronic components and accessories	0.00332	0.00259	0.00222	0.00221	0.0272	0.0200	0.0149	0.0257	0.0537	0.0464	0.2789
58	Miscellaneous electrical machinery and supplies	0.00493	0.00556	0.00241	0.00249	0.0141	0.0115	0.0062	0.0190	0.0307	0.0280	0.0095
59A	Motor vehicles (passenger cars and trucks)	0.00004	0.00003	0.00004	0.00003	0.0004	0.0004	0.0002	0.0004	0.0004	0.0005	0.0002
59B	Truck and bus bodies, trailers, and motor vehicles parts	0.00447	0.00388	0.00522	0.00462	0.0449	0.0355	0.0174	0.0578	0.0437	0.0475	0.0181
60	Aircraft and parts	0.00023	0.00019	0.00031	0.00054	0.0039	0.0035	0.0021	0.0031	0.0027	0.0025	0.0209
61	Other transportation equipment	0.00056	0.00025	0.00049	0.00021	0.0063	0.0087	0.0021	0.0027	0.0041	0.0043	0.0021
62	Scientific and controlling instruments	0.00082	0.00046	0.00165	0.00067	0.0082	0.0034	0.0039	0.0040	0.0424	0.0351	0.0387
63	Ophthalmic and photographic equipment	0.00072	0.00050	0.00052	0.00077	0.0056	0.0054	0.0055	0.0045	0.0093	0.0081	0.0077
64	Miscellaneous manufacturing	0.00126	0.00099	0.00090	0.00074	0.0089	0.0061	0.0059	0.0092	0.0445	0.0428	0.0048
65A	Railroads and related services; passenger ground transportation	0.02287	0.00712	0.00465	0.00672	0.1385	0.3642	0.0446	0.0921	0.0719	0.0701	0.0479
65B	Motor freight transportation and warehousing	0.05148	0.02760	0.1483	0.2547	0.2325	0.2325	0.0940	0.3161	0.3690	0.3488	0.1939
65C	Water transportation	0.00448	0.00367	0.1664	0.0218	0.0440	0.0798	0.0446	0.0317	0.0323	0.0328	0.0106
65D	Air transportation	0.00561	0.00446	0.00742	0.0146	0.0766	0.0665	0.0530	0.0588	0.0561	0.0534	0.0842
65E	Pipelines, freight forwarders, and related services	0.00503	0.00317	0.00353	0.00314	0.0395	0.0348	0.0191	0.0385	0.0280	0.0296	0.0197
66	Communications, except radio and TV	0.01291	0.00891	0.00730	0.00935	0.0974	0.0655	0.0779	0.0879	0.1258	0.1252	0.0917
67	Radio and TV broadcasting	0.00009	0.00005	0.00005	0.00005	0.00005	0.00004	0.00004	0.00004	0.00007	0.00006	0.00007
68A	Electric services (utilities)	0.03736	0.1822	0.0844	0.1143	1.0358	0.3209	0.2699	0.5772	0.1595	0.1493	0.1958
68B	Gas production and distribution (utilities)	0.1200	0.1466	0.0832	0.0838	0.2576	0.1002	0.4649	0.3558	0.0948	0.0914	0.0794
68C	Water and sanitary services	0.00676	0.0842	0.00334	0.00317	0.0324	0.0211	0.0373	0.0301	0.0405	0.0410	0.0326
69A	Wholesale trade	1.2473	0.8357	0.4815	0.6489	0.6621	0.5650	0.2424	0.6185	0.7792	0.7459	0.5904
69B	Retail trade	0.00337	0.00224	0.00435	0.00208	0.0465	0.0299	0.0427	0.0515	0.0421		

Total Requirements, 1992

of delivery to final demand, at producers' prices]

Food and kindred products	Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paper-board containers and boxes	News-papers and periodicals	Other printing and publishing	Industrial and other chemicals	Agricultural fertilizers and chemicals	Plastics and synthetic materials	Drugs	Cleaning and toilet preparations	Paints and allied products	Commodity number
14	15	16	17	18	19	20+21	22+23	24	25	26A	26B	27A	27B	28	29A	29B	30	
0.25270	0.00073	0.01560	0.00752	0.00577	0.00753	0.00327	0.00219	0.00300	0.00174	0.00076	0.00098	0.00200	0.00492	0.00209	0.00222	0.00471	0.00342	1
.16571	.08804	.08964	.02338	.02755	.03240	.05058	.0634	.0390	.0243	.0103	.0148	.01105	.00518	.01129	.00485	.00481	.00579	2
.01038	.00049	.00079	.0106	.00424	.0110	.11879	.0131	.01008	.00470	.0130	.00207	.00121	.00147	.00130	.00115	.00137	.00128	3
.02652	.00707	.00841	.00333	.00391	.00390	.02235	.00354	.00333	.00213	.00138	.00147	.00236	.00207	.00235	.00171	.00180	.00182	4
.00171	.00031	.00212	.00270	.00102	.00133	.00117	.00395	.00174	.00197	.00049	.00088	.01450	.00469	.00678	.00098	.00289	.00701	5+6
.00420	.00184	.00703	.00633	.00439	.00448	.00328	.00467	.00994	.00710	.00204	.00317	.00781	.00681	.00753	.00240	.00328	.00441	7
.02394	.00831	.03534	.03967	.02060	.02438	.02272	.01899	.03517	.03084	.01033	.01550	.13384	.1802	.07680	.01341	.03470	.05253	8
.00251	.00107	.00289	.00299	.00127	.00165	.00166	.00153	.00587	.00316	.00098	.00149	.01348	.05956	.00628	.00113	.00310	.00563	9+10
.02473	.00955	.02553	.02997	.02045	.02117	.02035	.01833	.03171	.02588	.01630	.01882	.03370	.03112	.03345	.01757	.01979	.02268	11
.00001	.00001	.00001	.00001	.00002	.00001	.00001	.00001	.00001	.00001	.00002	.00001	.00001	.00002	.00001	.00001	.00002	.00001	12
1.24042	.00234	.00716	.00672	.00564	.00820	.00817	.00565	.01321	.00764	.00327	.00419	.00882	.02286	.00706	.00864	.01698	.01595	14
(*)	1.09094	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	15
.00193	.00088	1.28056	.22102	.35746	.36981	.00182	.06561	.00530	.00267	.00094	.00272	.00097	.00081	.00623	.00096	.00200	.00138	16
.00180	.00068	.00268	1.03191	.00398	.05949	.00416	.02860	.00911	.00412	.00121	.00237	.00067	.00064	.00140	.00085	.00191	.00051	17
.00030	.00013	.00403	.00152	1.24775	.03080	.00041	.00059	.00037	.00032	.00016	.00022	.00026	.00026	.00037	.00022	.00030	.00025	18
.00083	.00035	.00061	.00065	.04142	1.03081	.00047	.00080	.00032	.00029	.00018	.00021	.00031	.00030	.00031	.00025	.00036	.00026	19
.00097	.00397	.00518	.00723	.00434	.00689	1.43019	.11624	.11469	.05202	.01378	.02065	.00650	.00576	.00729	.00459	.00681	.00453	20+21
.00004	.00002	.00003	.00004	.00004	.00004	.00128	1.00991	.00014	.00008	.00005	.00005	.00004	.00004	.00004	.00003	.00003	.00003	22+23
.04061	.02101	.01184	.01863	.01090	.01155	.00898	.01855	1.18299	.49854	.12216	.19258	.01366	.01517	.02847	.02091	.03797	.01138	24
.02863	.01435	.00590	.00773	.00534	.00615	.00665	.01963	.01873	1.01187	.00364	.00979	.00869	.00885	.00953	.01489	.04226	.00483	25
.00051	.00065	.00028	.00040	.00033	.00030	.00051	.00039	.00042	.00101	1.02359	.00222	.00042	.00048	.00042	.00074	.00070	.00037	26A
.01032	.01518	.00388	.00475	.00528	.00483	.00438	.00045	.00703	.00578	.11427	1.13077	.00494	.01181	.00503	.01552	.01428	.00582	26B
.02167	.01084	.13155	.16450	.05027	.07576	.02256	.03309	.09835	.07542	.02509	.04346	1.29342	.17426	.42883	.04985	.15431	.32377	27A
.08009	.00862	.01123	.00584	.00386	.00470	.00738	.00188	.00260	.00168	.00063	.00093	.01312	1.12603	.01124	.00135	.00260	.00459	27B
.00959	.01129	.21993	.29666	.08265	.11464	.01287	.03528	.04456	.02763	.00589	.01184	.01810	.00767	1.06261	.00752	.01790	.13812	28
.00552	.00005	.00023	.00023	.00012	.00018	.00009	.00008	.00017	.00012	.00005	.00007	.00110	.00195	.00045	1.14999	.00325	.00035	29A
.00256	.00235	.00358	.00719	.00678	.00265	.00093	.00178	.00624	.00303	.00090	.00134	.00344	.00628	.00703	.00179	1.05384	.00033	29B
.00144	.00033	.00120	.00148	.00074	.00085	.00319	.01050	.00146	.00447	.00072	.00069	.00317	.00323	.00069	.00195	1.02066	.00036	30
.02241	.00823	.02022	.02084	.01391	.01531	.02490	.01656	.02278	.02553	.00862	.01158	.03944	.03243	.02686	.00838	.02425	.03029	31
.03357	.01096	.02229	.03172	.01833	.03192	.02130	.05747	.05049	.03062	.00932	.02493	.02300	.05321	.03112	.017392	.01589	.01589	32
.00020	.00005	.00022	.00016	.00728	.02739	.00029	.00149	.00010	.00008	.00010	.00013	.00008	.00008	.00009	.00007	.00011	.00006	33+34
.01425	.00038	.01118	.00362	.00368	.00483	.00578	.00038	.00163	.00118	.00052	.00078	.00229	.00187	.00595	.00734	.00157	.00157	35
.00226	.00087	.00204	.00237	.00144	.00160	.00803	.00647	.00372	.00268	.00109	.00147	.00410	.00445	.00310	.00145	.00199	.01658	36
.01275	.00210	.00513	.00702	.00403	.00465	.01255	.00629	.07883	.01688	.00261	.00457	.01534	.01021	.00954	.00390	.00900	.01586	37
.01873	.00161	.00375	.00496	.00391	.00349	.00817	.02632	.00699	.01049	.00237	.00468	.01000	.00754	.00633	.00347	.00982	.02313	38
.03185	.00027	.00141	.00168	.00075	.00095	.00068	.00094	.00124	.00115	.00033	.00052	.00829	.00780	.00400	.00245	.01339	.04101	39
.00171	.00067	.00158	.00194	.00129	.00136	.00981	.00211	.00257	.00195	.00103	.00131	.00233	.00224	.00208	.00112	.00132	.00149	40
.00311	.00048	.00093	.00119	.00082	.00093	.00768	.00119	.00193	.00220	.00068	.00101	.00149	.00145	.00132	.00195	.00231	.00136	41
.00869	.00291	.00376	.00471	.00287	.00334	.02019	.05553	.00987	.01446	.00275	.00389	.01178	.00774	.00752	.00323	.00710	.00613	42
.00072	.00023	.00071	.00073	.00050	.00055	.00079	.00075	.00075	.00033	.00050	.00103	.00113	.00088	.00032	.00050	.00073	.00073	43
.00237	.00078	.00131	.00088	.00063	.00069	.00097	.00062	.00096	.00069	.00025	.00036	.00232	.00320	.00130	.00033	.00062	.00101	44+45
.00022	.00008	.00024	.00024	.00019	.00019	.00067	.00028	.00033	.00027	.00011	.00014	.00062	.00111	.00037	.00015	.00022	.00031	46
.00133	.00061	.00131	.00137	.00088	.00123	.00238	.00304	.00166	.00211	.00055	.00097	.00153	.00100	.00158	.00062	.00115	.00126	47
.00114	.00044	.00333	.01389	.00488	.00433	.00105	.00161	.00465	.00705	.00153	.00563	.00696	.00168	.00398	.00080	.00187	.00213	48
.00218	.00047	.00116	.00157	.00101	.00105	.00401	.00427	.00196	.00175	.00061	.00091	.00204	.00252	.00199	.00139	.00116	.00155	49
.00304	.00105	.00472	.00492	.00292	.00389	.00673	.00560	.00524	.00553	.00162	.00288	.00666	.00347	.00563	.00188	.00353	.00342	50
.00117	.00085	.00125	.00142	.00121	.00110	.00111	.00113	.00135	.00132	.00193	.00167	.00154	.00159	.00164	.00130	.00125	.00123	51
.00071	.00042	.00062	.00071	.00052	.00052	.00185	.00068	.00090	.00070	.00042	.00048	.00118	.00078	.00093	.00045	.00073	.00064	52
.00179	.00101	.00142	.00196	.00125	.00120	.00186	.00249	.00197	.00194	.00087	.00126	.00287	.00211	.00213	.00106	.00192	.00180	53
.00112	.00005	.00016	.00016	.00011	.00012	.00294	.00012	.00036	.00022	.00009	.00012	.00014	.00014	.00015	.00008	.00009	.00010	54
.00121	.00082	.00085	.00086	.00064	.00066	.00296	.00097	.00132	.00094	.00054	.00064	.00098	.00099	.00102	.00075	.00115	.00076	55
.00036	.00022	.00032	.00038	.00033	.00031	.00032	.00036	.00036	.00037	.00036	.00036	.00039	.00039	.00042	.00034	.00036	.00034	56
.00308	.00173	.00287	.00315	.00322	.00266	.00303	.00309	.00322	.00323	.00305	.00316	.00336	.00333	.00342	.00316	.00291	.00305	57
.00210	.00087	.00109	.00089	.00080	.00074	.00121	.00071	.00087	.00084	.00093	.00074	.00090	.00097	.00089	.00068	.00068	.00073	58
.00003	.00001	.00003	.00003	.00002	.00002	.00015	.00004	.00005	.00004	.00002	.00002	.00003	.00004	.00004	.00002	.00002	.00003	59A
.00386	.00147	.00286	.00309	.00236														

Table 4.—Commodity-by-Commodity
[Total requirements, direct and indirect, per dollar]

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Petroleum refining and related products	Rubber and miscellaneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products
		31	32	33+34	35	36	37	38	39	40	41	42
1	Livestock and livestock products	0.00086	0.00155	0.04831	0.00075	0.00089	0.00069	0.00082	0.00094	0.00073	0.00070	0.00075
2	Other agricultural products .....	.00141	.00478	.02880	.00141	.00166	.00106	.00154	.00148	.00109	.00102	.00125
3	Forestry and fishery products .....	.00070	.00899	.00218	.00233	.00121	.00087	.00147	.00103	.00086	.00076	.00105
4	Agricultural, forestry, and fishery services .....	.00172	.00306	.00550	.00162	.00157	.00141	.00179	.00151	.00127	.00115	.00133
5+6	Metallic ores mining .....	.00167	.00292	.00147	.00266	.00240	.04735	.06979	.03349	.01618	.01450	.01138
7	Coal mining .....	.00398	.00532	.00354	.01176	.01383	.03183	.00867	.01117	.00869	.00963	.00748
8	Crude petroleum and natural gas .....	.73232	.03373	.02534	.03187	.04171	.03238	.02984	.02823	.02018	.01910	.02057
9+10	Nonmetallic minerals mining .....	.00468	.00287	.00175	.01458	.07855	.00643	.00219	.00256	.00219	.00228	.00197
11	New construction .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Maintenance and repair construction .....	.05249	.02460	.02513	.02360	.02627	.02827	.02759	.02721	.01925	.02611	.02077
13	Ordnance and accessories .....	.00001	.00001	.00001	.00001	.00001	.00002	.00001	.00001	.00002	.00002	.00001
14	Food and kindred products .....	.00381	.00485	.14679	.00313	.00365	.00297	.00346	.00415	.00316	.00303	.00318
15	Tobacco products	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills .....	.00054	.01688	.05237	.00114	.00518	.00082	.00122	.00093	.00086	.00093	.00166
17	Miscellaneous textile goods and floor coverings .....	.00043	.01252	.02902	.00088	.00062	.00058	.00065	.00058	.00061	.00067	.00103
18	Apparel .....	.00200	.00050	.00248	.00022	.00025	.00031	.00033	.00035	.00027	.00028	.00040
19	Miscellaneous fabricated textile products .....	.00033	.00042	.00069	.00028	.00040	.00029	.00029	.00031	.00025	.00056	.00027
20+21	Lumber and wood products .....	.00640	.00896	.00599	.02400	.01157	.00818	.01132	.00082	.00688	.00653	.00767
22+23	Furniture and fixtures .....	.00004	.00005	.00004	.00006	.00005	.00005	.00005	.00005	.00006	.00027	.00007
24	Paper and allied products, except containers .....	.00596	.02976	.02392	.03046	.02122	.00638	.00770	.01452	.00896	.01056	.01493
25	Paperboard containers and boxes .....	.00274	.01709	.01074	.04832	.00611	.00252	.00425	.00650	.00730	.00809	.00867
26A	Newspapers and periodicals .....	.00030	.00040	.00043	.00028	.00049	.00034	.00033	.00037	.00035	.00034	.00033
26B	Other printing and publishing .....	.00083	.00456	.00668	.00335	.00386	.00597	.00455	.01384	.00443	.00468	.00439
27A	Industrial and other chemicals .....	.00445	.15585	.08138	.06782	.05011	.02977	.03824	.04169	.03154	.02280	.03569
27B	Agricultural fertilizers and chemicals .....	.00097	.00347	.00422	.00112	.00097	.00069	.00129	.00103	.00073	.00062	.00082
28	Plastics and synthetic materials .....	.00291	.20178	.03017	.00978	.01238	.00445	.02794	.01571	.00971	.00937	.01779
29A	Drugs .....	.00007	.00018	.00082	.00009	.00008	.00005	.00007	.00007	.00005	.00005	.00006
29B	Cleaning and toilet preparations .....	.00361	.00281	.00669	.00297	.00326	.00066	.00076	.00076	.00065	.00072	.00091
30	Paints and allied products .....	.00098	.00218	.01004	.00185	.00235	.00125	.00110	.02503	.00636	.00359	.00769
31	Petroleum refining and related products	1.10001	.01821	.01926	.01891	.03153	.02217	.02250	.02079	.01531	.01437	.01470
32	Rubber and miscellaneous plastics products .....	.00907	1.07541	.05393	.03220	.01797	.01110	.02374	.01590	.00190	.02117	.01485
33+34	Footwear, leather, and leather products .....	.00009	.00018	1.28291	.00007	.00007	.00008	.00007	.00008	.00014	.00009	.00009
35	Glass and glass products .....	.00322	.00733	.00295	1.09780	.00378	.00098	.00675	.00292	.00747	.00224	.00242
36	Stone and clay products .....	.00649	.00379	.00268	.01851	1.11446	.02432	.00685	.00881	.00825	.00924	.00792
37	Primary iron and steel manufacturing .....	.01638	.01528	.00717	.00873	.02105	1.23505	.03387	2.4641	.24039	.27595	.17250
38	Primary nonferrous metals manufacturing .....	.00460	.00828	.00680	.00810	.04563	1.48559	5.2351	1.4372	.08997	.09885	.09885
39	Metal containers .....	.00163	.00153	.00448	.00070	.00070	.00049	.00071	1.09863	.00069	.00060	.00089
40	Heating, plumbing, and fabricated structural metal products .....	.00308	.00207	.00152	.00179	.00284	.00299	.00287	.00248	1.03893	.00262	.00344
41	Screw machine products and stampings .....	.00100	.00397	.01177	.00228	.00295	.00712	.00295	.00364	.01678	1.02001	.02386
42	Other fabricated metal products .....	.00760	.01146	.01046	.00440	.01180	.02598	.01504	.02887	.04523	.03441	1.07032
43	Engines and turbines .....	.00088	.00092	.00048	.00083	.00138	.00201	.00134	.00117	.00108	.00304	.00171
44+45	Farm, construction, and mining machinery .....	.00281	.00072	.00079	.00127	.00415	.00310	.00276	.00176	.00117	.00129	.00125
46	Materials handling machinery and equipment .....	.00060	.00024	.00018	.00042	.00144	.00103	.00096	.00064	.00043	.00040	.00034
47	Metalworking machinery and equipment .....	.00100	.00318	.00113	.00653	.00371	.01168	.01543	.00942	.01186	.02561	.00977
48	Special industry machinery and equipment .....	.00050	.00477	.00161	.00217	.00059	.00087	.00213	.00127	.00072	.00067	.00080
49	General industrial machinery and equipment .....	.00217	.00179	.00100	.00145	.00351	.02464	.01220	.00937	.00950	.00969	.00627
50	Miscellaneous machinery, except electrical .....	.00359	.00917	.00429	.00721	.00535	.01079	.00916	.00999	.01059	.02510	.01341
51	Computer and office equipment .....	.00153	.00133	.00147	.00117	.00136	.00168	.00166	.00166	.00135	.00145	.00147
52	Service industry machinery .....	.00090	.00067	.00060	.00067	.00075	.00071	.00066	.00066	.00108	.00084	.00058
53	Electrical industrial equipment and apparatus .....	.00190	.00214	.00122	.00397	.00236	.01281	.00723	.00572	.00677	.00577	.00985
54	Household appliances .....	.00019	.00012	.00011	.00015	.00014	.00015	.00014	.00014	.00011	.00013	.00011
55	Electric lighting and wiring equipment .....	.00124	.00115	.00077	.00125	.00124	.00094	.00207	.00126	.00083	.00113	.00087
56	Audio, video, and communication equipment .....	.00041	.00035	.00037	.00030	.00036	.00037	.00044	.00042	.00040	.00051	.00036
57	Electronic components and accessories .....	.00261	.00382	.00111	.00271	.00299	.00414	.00575	.00459	.00406	.00460	.00458
58	Miscellaneous electrical machinery and supplies .....	.00086	.00090	.00087	.00064	.00123	.00097	.00097	.00091	.00078	.00134	.00081
59A	Motor vehicles (passenger cars and trucks) .....	.00003	.00003	.00005	.00005	.00005	.00005	.00004	.00004	.00007	.00012	.00003
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00271	.00293	.00266	.00297	.00493	.00392	.00371	.00378	.00301	.00721	.00277
60	Aircraft and parts .....	.00024	.00037	.00037	.00029	.00029	.00040	.00041	.00043	.00041	.00040	.00081
61	Other transportation equipment .....	.00038	.00042	.00023	.00055	.00073	.00076	.00051	.00051	.00044	.00039	.00032
62	Scientific and controlling instruments .....	.00070	.00074	.00062	.00098	.00084	.00205	.00082	.00092	.00306	.00109	.00097
63	Ophthalmic and photographic equipment .....	.00076	.00088	.00073	.00066	.00071	.00085	.00081	.00109	.00085	.00086	.00078
64	Miscellaneous manufacturing .....	.00081	.00087	.00279	.00064	.00147	.00080	.00078	.00081	.00082	.00074	.00071
65A	Railroads and related services; passenger ground transportation .....	.00717	.01501	.00767	.02149	.02099	.02640	.01931	.01904	.01302	.01365	.01089
65B	Motor freight transportation and warehousing .....	.01658	.05587	.03451	.03329	.09983	.04961	.06367	.05999	.04151	.03947	.03553
65C	Water transportation .....	.00923	.00460	.00199	.00573	.01383	.00976	.00437	.00479	.00337	.00373	.00327
65D	Air transportation .....	.00590	.00845	.00938	.00665	.00696	.00886	.00976	.01025	.00828	.00846	.00772
65E	Pipelines, freight forwarders, and related services .....	.03485	.00419	.00324	.00311	.00593	.00412	.00437	.00434	.00308	.00310	.00283
66	Communications, except radio and TV .....	.01061	.01127	.01196	.00938	.01162	.01057	.01189	.01245	.01131	.01021	.01099
67	Radio and TV broadcasting .....	.00007	.00009	.00022	.00007	.00008	.00008	.00007	.00008	.00008	.00009	.00010
68A	Electric services (utilities) .....	.03264	.03852	.02474	.04277	.04469	.06024	.06908	.05392	.03248	.03548	.03458
68B	Gas production and distribution (utilities) .....	.13157	.01951	.01536	.03139	.03800	.03337	.02355	.02407	.01692	.01710	.01776
68C	Water and sanitary services .....	.00662	.00643	.01588	.00511	.00604	.01184	.00779	.00795	.00566	.01611	.00627
69A	Wholesale trade .....	.06641	.08616	.09713	.07586	.06838	.11937	.15520	.16158	.11541	.10966	.10186
69B	Retail trade .....	.00433	.00369	.00294	.00510	.00403	.00296	.00290	.00321	.00271	.00292	.00266
70A	Finance .....	.02533	.02149	.02073	.01796	.02042	.02204	.02328	.02601	.02034	.02124	.01979
70B	Insurance .....	.00549	.00558	.00660	.00498	.00686	.00599	.00625	.00672	.00518	.00542	.00500
71A	Owner-occupied dwellings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71B	Real estate and royalties .....	.16154	.03447	.03526	.02735	.03402	.02944	.03220	.03424	.03229	.02996	.02970
72A	Hotels and lodging places .....	.00537	.00657	.00658	.00570	.00605	.00657	.00744	.00856	.00665	.00642	.00634
72B	Personal and repair services (except auto) .....	.00380	.00466	.00371	.00460	.00506	.00717	.00523	.00627	.00389	.00518	.00428
73A	Computer and data processing services .....	.01225	.01192	.01460	.01093	.01182	.01587	.01338	.01460	.01		

Total Requirements, 1992—Continued

of delivery to final demand, at producers' prices]

Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Electrical industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Aircraft and parts	Commodity number
43	44+45	46	47	48	49	50	51	52	53	54	55	56	57	58	59A	59B	60	
0.00071	0.00075	0.00067	0.00065	0.00071	0.00073	0.00058	0.00071	0.00075	0.00070	0.00094	0.00076	0.00064	0.00065	0.00084	0.00122	0.00083	0.00075	1
0.00098	0.01110	0.00093	0.00097	0.00098	0.01112	0.00081	0.00098	0.01116	0.01106	0.01177	0.01130	0.00996	0.01108	0.00148	0.00269	0.01133	0.01120	2
0.00070	0.01019	0.00088	0.00094	0.01018	0.00089	0.00056	0.00069	0.01119	0.00092	0.01162	0.00097	0.00079	0.00070	0.0121	0.00152	0.01119	0.00068	3
0.0143	0.0141	0.0120	0.0119	0.0130	0.0141	0.0124	0.0138	0.0131	0.0153	0.0169	0.0133	0.0122	0.0170	0.0186	0.0161	0.0148	0.0165	4
0.1103	0.0906	0.0947	0.0738	0.0799	0.0760	0.0898	0.0262	0.0947	0.0909	0.0869	0.0724	0.0353	0.0369	0.0711	0.0743	0.0186	0.0443	5+6
0.0730	0.0669	0.0632	0.0543	0.0500	0.0565	0.0537	0.0265	0.0527	0.0499	0.0581	0.0482	0.0251	0.0344	0.0418	0.0508	0.0712	0.0305	7
0.1564	0.1614	0.1606	0.1465	0.1938	0.1498	0.1316	0.0960	0.1533	0.1770	0.2126	0.1750	0.0891	0.1158	0.1629	0.1900	0.1863	0.1070	8
0.0201	0.0171	0.0158	0.0289	0.0149	0.0152	0.0141	0.0082	0.0183	0.0350	0.0383	0.0239	0.0077	0.0119	0.0138	0.0176	0.0197	0.0099	9+10
0.02145	0.1905	0.1786	0.1830	0.1843	0.1790	0.1853	0.2135	0.2065	0.1847	0.2126	0.1852	0.1865	0.2578	0.2043	0.2237	0.2416	0.2016	11
0.0002	0.0001	0.0001	0.0002	0.0001	0.0002	0.0001	0.0001	0.0002	0.0001	0.0002	0.0001	0.0006	0.0002	0.0006	0.0002	0.0002	0.0002	12
0.0303	0.0318	0.0290	0.0281	0.0302	0.0295	0.0247	0.0305	0.0319	0.0298	0.0385	0.0321	0.0271	0.0275	0.0347	0.0424	0.0347	0.0306	13
(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	14
0.0110	0.0138	0.0115	0.0104	0.0123	0.0263	0.0088	0.0093	0.0131	0.0119	0.0290	0.0144	0.0158	0.0084	0.0190	0.1629	0.0195	0.0355	15
0.00079	0.0120	0.0123	0.0063	0.0103	0.0830	0.0189	0.0062	0.0117	0.0085	0.0194	0.0089	0.0095	0.0059	0.0153	0.1151	0.0188	0.0116	16
0.00075	0.0032	0.0029	0.0034	0.0053	0.0030	0.0020	0.0031	0.0023	0.0027	0.0028	0.0028	0.0023	0.0025	0.0025	0.0128	0.0025	0.0037	17
0.0033	0.0029	0.0025	0.0022	0.0026	0.0022	0.0020	0.0025	0.0025	0.0024	0.0030	0.0024	0.0021	0.0022	0.0025	0.2833	0.0144	0.0207	18
0.0487	0.0689	0.0650	0.0846	0.0887	0.0608	0.0440	0.0459	0.0914	0.0623	0.0848	0.0645	0.0547	0.0491	0.0576	0.0847	0.0623	0.0844	20+21
0.0012	0.0007	0.0010	0.0005	0.0005	0.0004	0.0004	0.0055	0.0008	0.0007	0.0131	0.0012	0.1130	0.0071	0.0022	0.1740	0.0101	0.0090	22+23
0.0734	0.0808	0.0755	0.0834	0.1504	0.1363	0.0649	0.1132	0.1540	0.1497	0.3250	0.2299	0.1239	0.1005	0.0223	0.1208	0.0126	0.0611	24
0.0413	0.0455	0.0338	0.0616	0.0412	0.0713	0.0453	0.0676	0.0754	0.0671	0.1530	0.1820	0.0540	0.0481	0.0157	0.0716	0.0835	0.0266	25
0.0029	0.0035	0.0030	0.0030	0.0034	0.0029	0.0037	0.0055	0.0036	0.0039	0.0046	0.0048	0.0039	0.0046	0.0050	0.0049	0.0033	0.0033	26A
0.0418	0.0465	0.0453	0.0368	0.0421	0.0417	0.0360	0.0541	0.0443	0.0434	0.0623	0.0491	0.0415	0.0426	0.0484	0.0611	0.0610	0.0389	26B
0.1511	0.1963	0.1493	0.2244	0.1570	0.1600	0.1100	0.1521	0.0220	0.1988	0.4847	0.3088	0.1608	0.2858	0.1421	0.3905	0.2960	0.1443	27A
0.0055	0.0064	0.0055	0.0059	0.0057	0.0060	0.0045	0.0058	0.0070	0.0065	0.0123	0.0088	0.0054	0.0070	0.0102	0.0111	0.0083	0.0062	27B
0.0827	0.1331	0.0892	0.1091	0.0950	0.1295	0.0638	0.0907	0.1704	0.1087	0.5153	0.3572	0.1214	0.1087	0.2929	0.1981	0.1317	0.0177	28
0.0004	0.0005	0.0004	0.0004	0.0005	0.0004	0.0003	0.0004	0.0005	0.0005	0.0009	0.0006	0.0004	0.0005	0.0007	0.0008	0.0006	0.0006	29A
0.0055	0.0059	0.0054	0.0052	0.0055	0.0061	0.0041	0.0069	0.0111	0.0134	0.0210	0.0210	0.0089	0.0067	0.0110	0.0138	0.0078	0.0049	29B
0.0266	0.0513	0.0257	0.0296	0.0108	0.0155	0.0120	0.0144	0.0467	0.0343	0.0939	0.0147	0.0103	0.0102	0.0116	0.1497	0.0711	0.0280	30
0.1279	0.1294	0.1390	0.1154	0.1177	0.1226	0.1058	0.0823	0.1214	0.1587	0.1618	0.1343	0.0730	0.0858	0.1206	0.1563	0.0176	0.0959	31
0.2533	0.5556	0.3167	0.1849	0.3117	0.3735	0.1298	0.2879	0.4201	0.3970	1.0339	0.4218	0.3220	0.2572	0.8047	0.8892	0.4408	0.3084	32
0.0007	0.0007	0.0006	0.0005	0.0007	0.0006	0.0005	0.0006	0.0006	0.0006	0.0008	0.0006	0.0007	0.0006	0.0007	0.0008	0.0008	0.0013	33+34
0.0125	0.0190	0.0127	0.0121	0.0198	0.0117	0.0120	0.0394	0.0189	0.0173	0.0456	0.2879	0.0401	0.1267	0.0429	0.1406	0.0321	0.0186	35
0.1201	0.0722	0.00738	0.1429	0.0753	0.0813	0.0299	0.0811	0.1149	0.3706	0.0178	0.1561	0.0248	0.0365	0.0292	0.0703	0.0941	0.0544	36
0.9691	1.7550	1.7423	1.1787	1.0641	1.2386	1.1203	1.0182	1.0376	0.8298	1.0884	0.6880	0.2152	0.2385	0.4933	0.8021	1.4723	0.2978	37
0.1225	0.4073	0.1615	0.5327	0.8361	0.6070	1.0275	0.3551	1.1472	0.9340	0.8693	0.9178	0.3769	0.5222	0.8247	0.5827	1.3966	0.5749	38
0.0043	0.0058	0.0044	0.0044	0.0039	0.0038	0.0029	0.0041	0.0060	0.0050	0.0099	0.0053	0.0034	0.0042	0.0058	0.0115	0.0074	0.0041	39
0.1814	0.5110	0.2027	0.1374	0.1773	0.1503	0.0632	0.1057	0.1199	0.0755	0.0292	0.0192	0.0836	0.0705	0.0682	0.0879	0.2525	0.0364	40
0.4392	0.2095	0.3530	0.1201	0.1419	0.1450	0.1316	0.1504	0.3885	0.2284	0.3465	0.3126	0.1564	0.1482	0.1567	1.0313	0.5037	0.1492	41
0.4659	0.2964	0.3490	0.1964	0.3824	0.2215	0.2453	0.2849	0.1689	0.2695	0.2864	0.2219	0.4599	0.3036	0.3733	0.1689	0.2725	0.2782	42
1.07101	0.5656	0.1036	0.0184	0.0480	0.0692	0.0233	0.0066	0.0278	0.1184	0.1039	0.0111	0.0044	0.0054	0.0092	0.1664	0.0419	0.0058	43
0.0096	1.03886	0.0125	0.0082	0.0070	0.0099	0.0088	0.0035	0.0076	0.0079	0.0084	0.0085	0.0035	0.0045	0.0081	0.0073	0.0071	0.0043	44+45
0.0034	0.0073	1.01799	0.0029	0.0045	0.0056	0.0026	0.0022	0.0031	0.0032	0.0033	0.0027	0.0017	0.0019	0.0026	0.0039	0.0048	0.0017	46
0.1196	0.1009	0.0967	1.04766	0.1368	0.0924	0.1991	0.0263	0.0962	0.0743	0.0591	0.0617	0.0282	0.0387	0.0733	0.0833	0.0833	0.1564	47
0.0051	0.0063	0.0103	0.0076	1.03688	0.0080	0.0051	0.0081	0.0073	0.0064	0.0120	0.0086	0.0075	0.0171	0.0116	0.0113	0.0083	0.0067	48
0.0201	0.3702	0.6638	0.1509	0.3234	1.08509	0.1834	0.0188	0.0213	0.0866	0.0337	0.0190	0.0182	0.0668	0.0996	0.02503	0.0585	0.0585	49
0.5428	0.3871	0.3945	0.3576	0.4753	1.06827	0.0559	0.3050	0.1370	0.0838	0.0884	0.0590	0.0832	0.1059	0.2504	0.0465	0.2166	0.50	50
0.0197	0.0150	0.0136	0.0122	0.0256	0.0155	0.0120	1.21389	0.1777	0.0282	0.0254	0.0188	0.1404	0.3214	0.1426	0.0285	0.0282	0.0598	51
0.0065	0.0055	0.0055	0.0047	0.0071	0.0067	0.0050	0.0049	1.08006	0.0052	0.2305	0.0058	0.0059	0.0056	0.0058	0.1805	0.0503	0.0043	52
0.4771	0.1489	0.3830	0.2604	0.4548	0.4475	0.0760	0.2467	0.6528	1.07555	0.5408	0.3198	0.0552	0.0432	0.1013	0.0569	0.0618	0.0502	53
0.0011	0.0010	0.0009	0.0009	0.0009	0.0009	0.0012	0.0009	0.0011	0.0009	1.00133	0.0009	0.0009	0.0011	0.0010	0.0012	0.0013	0.0009	54
0.0093	0.0103	0.0078	0.0096	0.0082	0.0079	0.0119	0.0276	0.0846	0.0319	0.1563	1.03196	0.0843	0.0322	0.0410	0.0746	0.0213	0.0104	55

Table 4.—Commodity-by-Commodity
[Total requirements, direct and indirect, per dollar]

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Other transportation equipment	Scientific and controlling instruments	Ophthalmic and photographic equipment	Miscellaneous manufacturing	Railroads and related services; passenger ground transportation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services	Communications, except radio and TV	Radio and TV broadcasting
		61	62	63	64	65A	65B	65C	65D	65E	66	67
1	Livestock and livestock products	0.00077	0.00083	0.00071	0.00187	0.00058	0.00061	0.00120	0.00207	0.00052	0.00051	0.00175
2	Other agricultural products .....	.00128	.00140	.00125	.00428	.00099	.00076	.00143	.00180	.00072	.00077	.00266
3	Forestry and fishery products .....	.00232	.00075	.00103	.00291	.00097	.00055	.00067	.00061	.00089	.00061	.00049
4	Agricultural, forestry, and fishery services .....	.00168	.00135	.00115	.00181	.00111	.00082	.00119	.00102	.00080	.00101	.00242
5+6	Metallic ores mining .....	.00626	.00298	.00159	.00633	.00143	.00063	.00084	.00052	.00037	.00049	.00031
7	Coal mining .....	.00487	.00302	.00329	.00381	.00262	.00191	.00215	.00156	.00026	.00113	.00202
8	Crude petroleum and natural gas .....	.01469	.00925	.01362	.01973	.07502	.04792	.02511	.07945	.01219	.00514	.00671
9+10	Nonmetallic minerals mining .....	.00137	.00090	.00121	.00176	.00171	.00069	.00079	.00087	.00055	.00081	.00054
11	New construction .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Maintenance and repair construction .....	.01646	.01665	.01655	.01917	.08236	.01988	.02675	.02230	.02928	.05161	.02399
13	Ordinance and accessories .....	.00001	.00024	.00001	.00001	.00002	.00002	.00004	.00005	.00015	.00001	.00006
14	Food and kindred products .....	.00301	.00327	.00304	.00689	.00248	.00268	.00534	.00979	.00217	.00212	.00610
15	Tobacco products	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills .....	.00369	.00609	.00121	.02061	.00099	.00068	.00290	.00057	.00138	.00061	.00097
17	Miscellaneous textile goods and floor coverings .....	.00468	.00589	.00109	.00213	.00069	.00052	.00225	.00029	.00051	.00039	.00033
18	Apparel .....	.00041	.00052	.00021	.00629	.00065	.00023	.00293	.00028	.00022	.00079	.00066
19	Miscellaneous fabricated textile products .....	.00522	.00026	.00019	.00175	.00042	.00044	.00398	.00056	.00294	.00024	.00041
20+21	Lumber and wood products .....	.02359	.00504	.00784	.02355	.00949	.00376	.00489	.00409	.00923	.00597	.00396
22+23	Furniture and fixtures .....	.00174	.00068	.00006	.00066	.00009	.00011	.00007	.00006	.00005	.00026	.00007
24	Paper and allied products, except containers .....	.00697	.01359	.05588	.03087	.00586	.00548	.00809	.00592	.00823	.00668	.00893
25	Paperboard containers and boxes .....	.00358	.00727	.01388	.02223	.00185	.00230	.00170	.00167	.00292	.00158	.00171
26A	Newspapers and periodicals .....	.00030	.00043	.00079	.00072	.00050	.00058	.00185	.00058	.00086	.00076	.00096
26B	Other printing and publishing .....	.00383	.00469	.00418	.01000	.00879	.00659	.00816	.00702	.01256	.00854	.00750
27A	Industrial and other chemicals .....	.01861	.01716	.04643	.04683	.01183	.00919	.00902	.00801	.00497	.00457	.00555
27B	Agricultural fertilizers and chemicals .....	.00762	.00062	.00090	.00147	.00044	.00038	.00057	.00049	.00028	.00031	.00133
28	Plastics and synthetic materials .....	.01628	.01495	.02294	.04574	.00406	.00471	.00418	.00191	.00267	.00234	.00180
29A	Drugs .....	.00004	.00039	.00019	.00012	.00003	.00004	.00004	.00006	.00002	.00005	.00009
29B	Cleaning and toilet preparations .....	.00058	.00085	.00143	.00196	.00085	.00058	.00051	.00067	.00034	.00052	.00050
30	Paints and allied products .....	.00718	.00108	.00070	.00678	.00133	.00104	.00160	.00051	.00050	.00101	.00056
31	Petroleum refining and related products .....	.01284	.00763	.00921	.01584	.10816	.06808	.03296	.11648	.01022	.00548	.00690
32	Rubber and miscellaneous plastics products .....	.03550	.03040	.03590	.04981	.01414	.02061	.00950	.00561	.00856	.00713	.00453
33+34	Footwear, leather, and leather products .....	.00020	.00010	.00005	.00134	.00009	.00009	.00019	.00010	.00020	.00012	.00043
35	Glass and glass products .....	.00038	.00587	.00897	.00235	.00203	.00109	.00105	.00088	.00089	.00082	.00061
36	Stone and clay products .....	.00621	.00362	.00223	.00661	.00443	.00161	.00238	.00186	.00153	.00214	.00121
37	Primary iron and steel manufacturing .....	.01169	.02641	.01071	.01030	.03597	.02065	.00589	.01030	.00463	.00370	.00256
38	Primary nonferrous metals manufacturing .....	.04549	.03375	.01400	.08798	.00877	.00448	.00703	.00406	.00320	.00480	.00290
39	Metal containers .....	.00061	.00060	.00053	.00098	.00037	.00030	.00035	.00049	.00015	.00016	.00026
40	Heating, plumbing, and fabricated structural metal products .....	.02596	.00921	.00179	.00418	.00498	.00144	.00261	.00134	.00169	.00279	.00138
41	Screw machine products and stampings .....	.01767	.01566	.01067	.00584	.00264	.00202	.01822	.00153	.00101	.00338	.00094
42	Other fabricated metal products .....	.02923	.02395	.00814	.01810	.01006	.00679	.01131	.00403	.00431	.00480	.00251
43	Engines and turbines .....	.04973	.00054	.00044	.00073	.00745	.00154	.00491	.00045	.00168	.00235	.00035
44+45	Farm, construction, and mining machinery .....	.00205	.00037	.00035	.00062	.00068	.00036	.00051	.00050	.00024	.00024	.00027
46	Materials handling machinery and equipment .....	.00029	.00015	.00016	.00026	.00018	.00016	.00014	.00012	.00008	.00007	.00008
47	Metalworking machinery and equipment .....	.00551	.00363	.00248	.00480	.00246	.00072	.00620	.00117	.00046	.00056	.00046
48	Special industry machinery and equipment .....	.00056	.00073	.00084	.00111	.00031	.00031	.00041	.00025	.00028	.00024	.00028
49	General industrial machinery and equipment .....	.02868	.00238	.00121	.00308	.00857	.00149	.01530	.00124	.00458	.00317	.00056
50	Miscellaneous machinery, except electrical .....	.01692	.00777	.00638	.01158	.00500	.00247	.00669	.00346	.00026	.00126	.00119
51	Computer and office equipment .....	.00146	.01892	.00383	.00243	.00208	.00146	.00222	.00366	.00717	.00488	.00399
52	Service industry machinery .....	.00414	.00041	.00043	.00058	.00164	.00097	.00092	.00061	.00064	.00080	.00089
53	Electrical industrial equipment and apparatus .....	.03618	.01279	.00729	.00539	.01508	.00267	.00336	.00124	.00232	.00331	.00203
54	Household appliances .....	.00595	.00008	.00008	.00013	.00036	.00009	.00029	.00011	.00013	.00022	.00012
55	Electric lighting and wiring equipment .....	.00442	.00375	.00093	.00119	.00214	.00109	.00117	.00066	.00072	.00162	.00098
56	Audio, video, and communication equipment .....	.00126	.00894	.00047	.00057	.00059	.00061	.00042	.00094	.00108	.00208	.00218
57	Electronic components and accessories .....	.00753	.12076	.04993	.01974	.00480	.00369	.00409	.00739	.00833	.02843	.01382
58	Miscellaneous electrical machinery and supplies .....	.00624	.00129	.00067	.00099	.00298	.00267	.00220	.00140	.00021	.00227	.00341
59A	Motor vehicles (passenger cars and trucks) .....	.02253	.00002	.00002	.00003	.00048	.00011	.00057	.00002	.00002	.00002	.00002
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.03345	.00172	.00187	.00254	.01533	.01526	.00232	.00168	.00275	.00184	.00236
60	Aircraft and parts .....	.00126	.00822	.00031	.00043	.00037	.00032	.00037	.00389	.00037	.00027	.00025
61	Other transportation equipment	1.02679	.00016	.00022	.00040	.01895	.00026	.02549	.00020	.00018	.00011	.00028
62	Scientific and controlling instruments .....	.00445	1.03053	.00624	.00062	.00067	.00067	.00053	.00242	.00038	.00061	.00054
63	Ophthalmic and photographic equipment .....	.00067	.00130	1.05298	.00118	.00081	.00109	.00128	.00096	.00165	.00115	.00250
64	Miscellaneous manufacturing .....	.00074	.00066	.00054	1.08010	.00107	.00091	.00353	.00105	.00161	.00160	.00210
65A	Railroads and related services; passenger ground transportation .....	.00805	.00476	.00744	.00872	1.04392	.00556	.00307	.00365	.00299	.00245	.00283
65B	Motor freight transportation and warehousing .....	.03280	.01567	.01995	.03291	.01790	1.21282	.01251	.01009	.01162	.00694	.00811
65C	Water transportation .....	.00194	.00116	.00175	.00238	.00371	.00287	1.14350	.00365	.00215	.00054	.00063
65D	Air transportation .....	.00945	.00763	.00683	.00814	.00694	.00773	.00617	1.06903	.00908	.00605	.00624
65E	Pipelines, freight forwarders, and related services .....	.00264	.00173	.00200	.00278	.01314	.04006	.05017	.00170	1.02170	.00115	.00129
66	Communications, except radio and TV .....	.00957	.01178	.01134	.01248	.01440	.02505	.01029	.02489	.03846	1.15802	.02831
67	Radio and TV broadcasting .....	.00009	.00013	.00012	.00028	.00007	.00007	.00026	.00014	.00018	.00058	1.02136
68A	Electric services (utilities) .....	.02233	.01856	.01653	.02491	.02016	.01641	.01456	.01335	.01961	.00929	.01848
68B	Gas production and distribution (utilities) .....	.01072	.00642	.00925	.01263	.01759	.01186	.00863	.01646	.00390	.00288	.00403
68C	Water and sanitary services .....	.00476	.00288	.00342	.00424	.00429	.01773	.00372	.00364	.00239	.00256	.00434
69A	Wholesale trade .....	.09986	.07466	.08836	.13056	.05677	.05496	.03688	.03582	.02301	.02495	.02281
69B	Retail trade .....	.00210	.00207	.00245	.00341	.00771	.00747	.00249	.00223	.00262	.00320	.00236
70A	Finance .....	.01868	.01771	.01829	.02077	.03012	.02388	.05065	.03147	.03531	.02019	.02176
70B	Insurance .....	.00504	.00407	.00412	.00566	.00894	.01584	.00485	.00515	.00870	.00407	.01068
71A	Owner-occupied dwellings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71B	Real estate and royalties .....	.03349	.02735	.02206	.03672	.04143	.05319	.05652	.04984	.04132	.03392	.07162
72A	Hotels and lodging places .....	.00612	.00560	.00534	.00632	.00467	.00671	.00405	.00057	.00050	.00508	.00557
72B	Personal and repair services (except auto) .....	.00295	.00249	.00232	.00333	.00307	.00295	.00229	.00484	.00355	.00938	.00616
73A	Computer and data processing services .....	.01152	.01184	.00970	.01037	.00234	.01335	.02212	.04095	.08292		

Total Requirements, 1992—Continued

of delivery to final demand, at producers' prices]

Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Retail trade	Finance	Insurance	Owner-occupied dwellings	Real estate and royalties	Hotels and lodging places	Personal and repair services (exc. auto)	Computer and data processing services	Legal, engineering, accounting, and related services	Other business and professional services, except medical	Advertising	Eating and drinking places	Auto-motive repair and services	Amusements	Commodity number
68A	68B	68C	69A	69B	70A	70B	71A	71B	72A	72B	73A	73B	73C	73D	74	75	76	
0.0004	0.0005	0.0006	0.0008	0.0006	0.0004	0.0007	0.0003	0.0005	0.0013	0.0008	0.0005	0.0004	0.0008	0.0009	0.0578	0.0006	0.0036	1
.0008	.0012	.0016	.0010	.0008	.0005	.0007	.0003	.0013	.0021	.0018	.0006	.0005	.0007	.0013	.0478	.0009	.0051	2
.0088	.0014	.0017	.0007	.0004	.0002	.0003	.0004	.0006	.0007	.0005	.0003	.0002	.0003	.0012	.0015	.0005	.0006	3
.0107	.0018	.0036	.0021	.0019	.0009	.0010	.0009	.0028	.0051	.0044	.0020	.0016	.0009	.0015	.0004	.0003	.0006	4
.0066	.0009	.0014	.0003	.0001	.0002	.0001	.0001	.0002	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003	5+6
.1026	.0256	.0043	.0015	.0301	.0019	.0007	.0002	.0013	.0045	.0028	.0013	.0007	.0015	.0024	.0039	.0026	.0024	7
.0423	.6345	.0538	.0092	.0940	.0025	.0049	.0052	.0044	.0130	.0120	.0049	.0041	.0076	.0091	.0147	.0159	.0087	8
.0145	.0204	.0037	.0003	.0049	.0027	.0003	.0007	.0016	.0010	.0060	.0003	.0006	.0003	.0008	.0017	.0000	.0006	9+10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
.0897	.1252	.1513	.0254	.0202	.0121	.0137	.0594	.0652	.0421	.0185	.0128	.0096	.0094	.0163	.0243	.0139	.0237	12
.0001	.0001	.0002	.0002	.0001	.0002	.0002	(*)	.0001	.0003	.0001	.0002	.0003	.0002	.0003	.0001	.0002	.0002	13
.0165	.0206	.0024	.0035	.0027	.0019	.0010	.0041	.0015	.0025	.0033	.0020	.0012	.0025	.0034	.2765	.0025	.0191	14
(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	15
.0080	.0043	.0090	.0016	.0057	.0048	.0039	.0015	.0031	.0040	.0054	.0036	.0028	.0049	.0019	.0017	.0013	.0025	16
.0053	.0058	.0007	.0004	.0002	.0023	.0002	.0024	.0036	.0014	.0013	.0002	.0020	.0028	.0010	.0006	.0016	.0009	17
.0015	.0014	.0045	.0017	.0019	.0012	.0003	.0002	.0010	.0017	.0059	.0015	.0011	.0046	.0003	.0029	.0059	.0017	18
.0021	.0026	.0041	.0007	.0003	.0070	.0003	.0010	.0020	.0094	.0034	.0016	.0016	.0019	.0036	.0095	.0020	.0078	19
.0943	.0125	.0201	.0078	.0423	.0028	.0028	.0049	.0064	.0052	.0041	.0022	.0024	.0027	.0122	.0047	.0045	.0049	20+21
.0003	.0004	.0002	.0005	.0005	.0005	.0005	.0001	.0005	.0005	.0007	.0002	.0006	.0005	.0006	.0012	.0018	.0007	22+23
.0330	.0380	.0058	.0142	.0164	.0104	.0025	.0105	.0029	.0103	.0120	.0020	.0028	.0138	.0884	.0194	.0087	.0103	24
.0107	.0016	.0022	.0078	.0074	.0013	.0013	.0033	.0084	.0037	.0037	.0016	.0013	.0022	.0043	.0112	.0037	.0024	25
.0022	.0021	.0042	.0083	.0066	.0020	.0059	.0006	.0022	.0026	.0078	.0063	.0074	.0070	.0080	.0005	.0047	.0017	26A
.0286	.0029	.0045	.0154	.0078	.0156	.0158	.0088	.0036	.0084	.0164	.0094	.0124	.0105	.0679	.0098	.0069	.0062	26B
.0855	.0154	.0319	.0015	.0503	.0034	.0033	.0157	.0037	.0078	.0172	.0051	.0035	.0096	.0213	.0120	.0187	.0080	27A
.0035	.0062	.0015	.0003	.0044	.0023	.0030	.0016	.0108	.0031	.0048	.0030	.0025	.0037	.0077	.0022	.0050	.0032	27B
.0021	.0026	.0049	.0022	.0029	.0013	.0017	.0065	.0013	.0034	.0058	.0029	.0019	.0016	.0056	.0015	.0075	.0024	28
.0004	.0003	.0006	.0010	.0002	.0002	.0002	.0001	.0002	.0005	.0007	.0033	.0002	.0006	.0006	.0020	.0004	.0002	29A
.0050	.0046	.0067	.0014	.0068	.0035	.0038	.0010	.0037	.0018	.0132	.0037	.0046	.0017	.0085	.0013	.0039	.0072	29B
.0109	.0014	.0026	.0038	.0004	.0007	.0004	.0061	.0056	.0083	.0065	.0070	.0004	.0024	.0048	.0072	.0069	.0079	30
.0273	.0170	.0503	.0167	.0990	.0052	.0054	.0209	.0057	.0103	.0098	.0042	.0047	.0041	.0084	.0126	.0178	.0085	31
.0647	.0057	.0158	.0084	.0070	.0030	.0058	.0185	.0032	.0092	.0167	.0032	.0037	.0070	.0130	.0186	.0192	.0054	32
.0006	.0008	.0009	.0010	.0038	.0014	.0013	.0002	.0008	.0045	.0032	.0011	.0028	.0027	.0020	.0014	.0018	.0098	33+34
.0063	.0067	.0019	.0093	.0045	.0044	.0060	.0018	.0042	.0052	.0094	.0016	.0096	.0153	.0069	.0059	.0028	.0065	35
.0400	.0035	.0095	.0015	.0019	.0067	.0079	.0017	.0031	.0026	.0045	.0093	.0072	.0012	.0014	.0036	.0025	.0017	36
.0743	.0146	.0125	.0030	.0024	.0018	.0018	.0021	.0022	.0037	.0035	.0036	.0016	.0016	.0032	.0042	.0010	.0023	37
.0554	.0507	.0182	.0039	.0024	.0013	.0020	.0014	.0024	.0027	.0068	.0018	.0017	.0021	.0031	.0038	.0010	.0012	38
.0021	.0026	.0047	.0011	.0016	.0011	.0016	.0006	.0013	.0028	.0039	.0016	.0011	.0002	.0036	.0074	.0038	.0044	39
.0479	.0016	.0074	.0018	.0012	.0069	.0083	.0023	.0026	.0024	.0016	.0067	.0063	.0084	.0012	.0043	.0037	.0015	40
.0187	.0016	.0031	.0085	.0078	.0053	.0085	.0026	.0060	.0091	.0053	.0025	.0057	.0126	.0094	.0148	.0153	.0011	41
.0042	.0704	.0022	.0022	.0028	.0026	.0020	.0026	.0013	.0025	.0030	.0051	.0040	.0015	.0029	.0037	.0033	.0130	42
.0660	.0061	.0015	.0005	.0051	.0002	.0024	.0003	.0008	.0002	.0004	.0002	.0023	.0008	.0041	.0005	.0010	.0037	43
.0032	.0039	.0018	.0004	.0025	.0013	.0014	.0054	.0035	.0042	.0026	.0019	.0012	.0042	.0026	.0005	.0037	.0039	44+45
.0078	.0044	.0022	.0007	.0009	.0006	.0007	.0003	.0007	.0012	.0010	.0005	.0008	.0052	.0011	.0015	.0015	.0009	46
.0010	.0010	.0013	.0077	.0045	.0030	.0036	.0015	.0032	.0053	.0079	.0063	.0041	.0024	.0070	.0063	.0189	.0049	47
.0017	.0022	.0041	.0046	.0036	.0025	.0028	.0005	.0016	.0037	.0090	.0035	.0029	.0015	.0076	.0016	.0063	.0030	48
.0263	.0018	.0029	.0068	.0062	.0044	.0051	.0032	.0059	.0080	.0014	.0056	.0043	.0024	.0073	.0059	.0034	.0061	49
.0306	.0028	.0084	.0027	.0019	.0072	.0084	.0025	.0086	.0013	.0020	.0018	.0010	.0027	.0025	.0017	.0062	.0010	50
.0154	.0035	.0017	.0024	.0016	.0044	.0039	.0024	.0073	.0014	.0072	.0094	.0052	.0034	.0030	.0017	.0012	.0018	51
.0019	.0018	.0043	.0067	.0073	.0028	.0042	.0063	.0103	.0087	.0047	.0057	.0028	.0063	.0057	.0073	.0045	.0015	52
.0035	.0024	.0028	.0098	.0085	.0076	.0087	.0046	.0087	.0016	.0024	.0031	.0085	.0037	.0017	.0019	.0047	.0099	53
.0026	.0037	.0052	.0008	.0012	.0006	.0007	.0014	.0031	.0033	.0075	.0007	.0006	.0009	.0010	.0014	.0016	.0012	54
.0032	.0039	.0035	.0074	.0010	.0040	.0058	.0092	.0013	.0026	.0098	.0065	.0038	.0072	.0075	.0016	.0038	.0015	55
.0042	.0059	.0013	.0076	.0047	.0052	.0075	.0019	.0045	.0066	.0068	.0095	.0046	.0063	.0096	.0041	.0063	.0054	56
.0273	.0028	.0061	.0107	.0010	.0052	.0043	.0051	.0060	.0035	.0187	.0762	.0051	.0019	.0130	.0049	.0023	.0038	57
.0143	.0017	.0035	.0013	.0020	.0015	.0024	.0063	.0012	.0012	.0017	.0031	.0022	.0011	.0074	.0010	.0019	.0078	58
.0003	.0002	.0014	.0003	.0003	.0001	.0003	(*)	.0002	.0002	.0002	.0002	.0002	.0004	.0002	.0003	.0106	.0003	59A
.0019	.0024	.0328	.0039	.0089	.0018	.0037	.0042	.0018	.0031	.0029	.0011	.0018	.0021	.0028	.0035	.0021	.0030	59B
.0027	.0030	.0040	.0027	.0020	.0025	.0035	.0003	.0016	.0027	.0025	.0030	.0023	.0033	.0026	.0028	.0043	.0023	60
.0078	.0022	.0033	.0012	.0013	.0012	.0016	.0003	.0011	.0020	.0014	.0011	.0014	.0010	.0022	.0024	.0019	.0053	61
.0011	.0090	.0157	.0038	.0042	.0029	.0062	.0021	.0050	.0086	.0168	.0014	.0033	.0082	.0088	.0047	.0019	.0051	62
.0045	.0070	.0097	.0014	.0018	.0025	.0024	.0017	.0071	.0013	.0123	.0016	.0035	.0039	.0015	.0080	.0123	.0016	63
.0091	.0015	.0015	.0014	.0015	.0021	.0012	.0032	.0090	.0024	.0093	.0013	.0019	.0045	.0023	.0025	.0012	.0034	64
.0328	.0036	.0065	.0024	.0029	.0042	.0030	.0060	.0020	.0047	.0032	.0043	.0020	.0032	.0012	.0058	.0028	.0037	65A
.0184	.0137	.0679	.0099	.0039	.0189	.0168	.0025	.0066	.0121	.0136	.0070	.0073	.0105	.0199	.0245	.0188	.0084	65B
.0649	.0037	.0036	.0080	.0073	.0051	.0045	.0022	.0056	.0015	.0018	.0052	.0050	.0082	.0104	.0024	.0018	.0095	65C
.0453	.0076	.0066	.0072	.0011	.0067	.0018	.0078	.0045	.0085	.0019	.0078	.0056	.0067	.0067	.0018	.0026	.0050	65D
.0267	.0081	.0124	.0019	.0031	.0016	.0014	.0026	.0098	.0158	.0018	.0011	.0015	.0018	.0011	.0024	.0034	.0014	65E
.0634	.0039	.0243	.0238	.0086	.0210	.0320	.0014	.0168	.0237	.0207	.0036	.0197	.0144	.0284	.0116	.0174	.0159	66
.0003																		

Table 5.—Industry-by-Commodity Total Requirements, 1992
 [Total requirements, direct and indirect, per dollar of delivery to final demand, at producers' prices]

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Non-metallic minerals mining	New construction	Maintenance and repair construction
		1	2	3	4	5+6	7	8	9+10	11	12
	Commodity number										
1	Livestock and livestock products	1.20919	0.00459	0.04302	0.05040	0.00085	0.00063	0.00053	0.00060	0.00098	0.00106
2	Other agricultural products .....	.33378	1.04309	2.1804	.16320	.00202	.00130	.00107	.00106	.00569	.00644
3	Forestry and fishery products .....	.00240	.00097	82943	.00160	.00098	.00060	.00043	.00043	.00541	.00666
4	Agricultural, forestry, and fishery services .....	.07597	.07384	.17420	.96687	.00274	.00138	.00168	.00112	.00484	.00578
5+6	Metallic ores mining .....	.00097	.00087	.00059	.00074	1.24193	.00180	.00124	.00289	.00301	.00262
7	Coal mining .....	.00440	.00237	.00117	.00160	.01400	1.13077	.00333	.01134	.00306	.00261
8	Crude petroleum and natural gas .....	.03160	.03965	.03452	.02335	.04824	.03137	1.27218	.05418	.02151	.02685
9+10	Nonmetallic minerals mining .....	.00416	.00883	.00231	.00620	.00584	.00184	.00151	.99309	.01262	.01309
11	New construction									1.00037	
12	Maintenance and repair construction .....	.03693	.02881	.04135	.02166	.04339	.01544	.04970	.02242	.01221	1.01187
13	Ordnance and accessories .....	.00006	.00005	.00005	.00005	.00010	.00006	.00004	.00007	.00015	.00012
14	Food and kindred products .....	.25306	.00430	.04442	.01747	.00373	.00238	.00212	.00263	.00265	.00262
15	Tobacco products (*) .....					.00001					
16	Broad and narrow fabrics, yarn and thread mills .....	.00307	.00536	.00279	.00327	.00095	.00526	.00037	.00085	.00270	.00257
17	Miscellaneous textile goods and floor coverings .....	.00329	.00073	.00644	.00356	.00058	.00047	.00030	.00050	.00379	.00379
18	Apparel .....	.00308	.00033	.00028	.00036	.00020	.00038	.00012	.00017	.00031	.00031
19	Miscellaneous fabricated textile products .....	.00099	.00186	.00148	.00303	.00023	.00020	.00016	.00018	.00085	.00100
20+21	Lumber and wood products .....	.00906	.01082	.00562	.00447	.01149	.00653	.00529	.00363	.07668	.09498
22+23	Furniture and fixtures .....	.00012	.00009	.00008	.00008	.00016	.00012	.00007	.00015	.00344	.00051
24	Paper and allied products, except containers .....	.01752	.01097	.00805	.00813	.00552	.00374	.00288	.00527	.01256	.01042
25	Paperboard containers and boxes .....	.01006	.00952	.00523	.00771	.00253	.00170	.00089	.00190	.00403	.00375
26A	Newspapers and periodicals .....	.00485	.00256	.00250	.00333	.00239	.00196	.00208	.00401	.00346	.00333
26B	Other printing and publishing .....	.00940	.00536	.00559	.00607	.00488	.00395	.00384	.00505	.00696	.00649
27A	Industrial and other chemicals .....	.02037	.02530	.01179	.02292	.07446	.01837	.01910	.02103	.02107	.01982
27B	Agricultural fertilizers and chemicals .....	.03588	.08901	.02223	.08888	.00027	.00082	.00076	.00912	.00159	.00172
28	Plastics and synthetic materials .....	.00666	.00636	.00444	.00532	.00809	.00489	.00214	.00539	.00953	.00948
29A	Drugs .....	.00610	.00130	.00071	.00154	.00056	.00015	.00016	.00020	.00020	.00020
29B	Cleaning and toilet preparations .....	.00294	.00311	.00240	.00304	.00140	.00060	.00054	.00110	.00133	.00144
30	Paints and allied products .....	.00093	.00072	.00075	.00082	.00135	.00067	.00078	.00083	.01014	.01032
31	Petroleum refining and related products .....	.03281	.03878	.04115	.02015	.04567	.03637	.01388	.06072	.02276	.03063
32	Rubber and miscellaneous plastics products .....	.01937	.01237	.00787	.00785	.01896	.01651	.00384	.01937	.02761	.02761
33+34	Footwear, leather, and leather products .....	.00062	.00010	.00032	.00018	.00006	.00005	.00006	.00005	.00014	.00013
35	Glass and glass products .....	.00364	.00078	.00113	.00120	.00092	.00070	.00044	.00139	.00460	.00273
36	Stone and clay products .....	.00287	.00373	.00219	.00207	.01108	.00653	.00505	.04338	.05945	.03388
37	Primary iron and steel manufacturing .....	.00825	.00617	.00545	.00438	.05706	.02015	.02243	.03685	.03054	.03054
38	Primary nonferrous metals manufacturing .....	.00720	.00382	.00391	.00327	.00910	.00725	.00386	.00706	.02814	.02534
39	Metal containers .....	.00685	.00092	.00163	.00119	.00076	.00031	.00026	.00042	.00074	.00074
40	Heating, plumbing, and fabricated structural metal products .....	.00283	.00235	.00253	.00148	.01409	.00643	.00316	.00821	.05421	.04454
41	Screw machine products and stampings .....	.00208	.00109	.00109	.00097	.00414	.00767	.00092	.00333	.00493	.00428
42	Other fabricated metal products .....	.00679	.00544	.00415	.00492	.00614	.00657	.00764	.00530	.02700	.02254
43	Engines and turbines .....	.00095	.00077	.00163	.00046	.00604	.00649	.00084	.00561	.00108	.00093
44+45	Farm, construction, and mining machinery .....	.00624	.00752	.00516	.00250	.03819	.03817	.00397	.03968	.00339	.00312
46	Materials handling machinery and equipment .....	.00026	.00028	.00014	.00019	.00769	.00656	.00071	.01429	.00023	.00053
47	Metalworking machinery and equipment .....	.00135	.00106	.00072	.00058	.00280	.00190	.00090	.00193	.00294	.00234
48	Special industry machinery and equipment .....	.00060	.00046	.00038	.00044	.00094	.00056	.00028	.00072	.00078	.00069
49	General industrial machinery and equipment .....	.00212	.00185	.00163	.00101	.00831	.01282	.00248	.01114	.01027	.00538
50	Miscellaneous machinery, except electrical .....	.00311	.00299	.00189	.00191	.00674	.00827	.00322	.00504	.00448	.00338
51	Computer and office equipment .....	.00141	.00105	.00101	.00097	.00142	.00094	.00090	.00135	.00184	.00157
52	Service industry machinery .....	.00079	.00062	.00092	.00062	.00092	.00066	.00081	.00079	.01242	.01198
53	Electrical industrial equipment and apparatus .....	.00172	.00130	.00131	.00089	.00455	.00475	.00194	.00591	.00956	.00775
54	Household appliances .....	.00018	.00015	.00016	.00012	.00022	.00014	.00019	.00015	.00242	.00282
55	Electric lighting and wiring equipment .....	.00166	.00122	.00136	.00132	.00123	.00125	.00113	.00085	.01848	.01681
56	Audio, video, and communication equipment .....	.00052	.00039	.00038	.00035	.00044	.00027	.00035	.00036	.00479	.00341
57	Electronic components and accessories .....	.00317	.00248	.00212	.00211	.00262	.00194	.00144	.00247	.00526	.00454
58	Miscellaneous electrical machinery and supplies .....	.00451	.00505	.00224	.00230	.00137	.00112	.00061	.00119	.00035	.00286
59A	Motor vehicles (passenger cars and trucks) .....	.00020	.00016	.00021	.00018	.00026	.00027	.00008	.00028	.00023	.00023
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00441	.00385	.00506	.00444	.00465	.00377	.00173	.00586	.00453	.00480
60	Aircraft and parts .....	.00033	.00027	.00044	.00059	.00076	.00073	.00029	.00064	.00050	.00044
61	Other transportation equipment .....	.00060	.00029	.00052	.00023	.00079	.00100	.00024	.00043	.00063	.00062
62	Scientific and controlling instruments .....	.00108	.00068	.00173	.00081	.00111	.00062	.00051	.00071	.00470	.00389
63	Ophthalmic and photographic equipment .....	.00082	.00061	.00058	.00086	.00069	.00059	.00059	.00053	.00108	.00095
64	Miscellaneous manufacturing .....	.00158	.00116	.00106	.00095	.00110	.00078	.00073	.00114	.00467	.00449
65A	Railroads and related services; passenger ground transportation .....	.02054	.00641	.00418	.00605	.01244	.03265	.00400	.00028	.00648	.00631
65B	Motor freight transportation and warehousing .....	.05251	.02924	.01544	.02594	.03298	.02351	.01015	.03198	.03745	.03547
65C	Water transportation .....	.00423	.00347	.01571	.00206	.00415	.00754	.00421	.00300	.00305	.00310
65D	Air transportation .....	.00534	.00425	.00706	.01377	.00729	.00634	.00505	.00560	.00535	.00508
65E	Pipelines, freight forwarders, and related services .....	.00583	.00360	.00398	.00381	.00457	.00421	.00219	.00436	.00333	.00347
66	Communications, except radio and TV .....	.01317	.00904	.00743	.00952	.00987	.00665	.00790	.00894	.01277	.01270
67	Radio and TV broadcasting .....	.00330	.00168	.00167	.00220	.00161	.00129	.00143	.00190	.00235	.00228
68A	Electric services (utilities) .....	.03260	.01594	.00738	.00998	.09023	.02797	.02354	.05030	.01393	.01304
68B	Gas production and distribution (utilities) .....	.01162	.01420	.00805	.00811	.02491	.00969	.04495	.03441	.00985	.00885
68C	Water and sanitary services .....	.00254	.00316	.00126	.00120	.00122	.00080	.00140	.00113	.00152	.00154
69A	Wholesale trade .....	.12473	.08357	.04815	.06489	.06621	.05650	.02424	.06185	.07792	.07459
69B	Retail trade .....	.00335	.00222	.00432	.00206	.00462	.00296	.00424	.00511	.04185	.04670
70A	Finance .....	.02444	.01711	.01996	.01896	.02390	.01769	.01691	.02056	.02173	.02045
70B	Insurance .....	.01114	.00756	.01017	.00657	.00696	.00451	.00414	.00692	.01125	.00811
71A	Owner-occupied dwellings										
71B	Real estate and royalties .....	.10916	.11460	.03231	.04117	.03536	.04147	.22707	.03423	.03190	.03086
72A	Hotels and lodging places .....	.00396	.00280	.00464	.00351	.00645	.00532	.00526	.00504	.00436	.00410
72B	Personal and repair services (except auto) .....	.00306	.00271	.00235	.00420	.00242	.00161	.00179	.00186	.00273	.00272
73A	Computer and data processing services .....	.00868	.00595	.00641	.00598	.01032	.00645	.00578	.01012	.00944	.00839
73B	Legal, engineering, accounting, and related services .....	.01762	.01462	.03360	.02547	.03411	.02739	.03680	.02255	.08655	.05113
73C	Other business and professional services, except medical .....	.03745	.03126	.03452	.03010	.03785	.02486	.02367	.02697	.05899	.05868
73D	Advertising .....	.00359	.00184	.00182	.00240	.00176	.00141	.00156	.00207	.00258	.00250
74	Eating and drinking places .....	.00454	.00310	.00563	.00457	.00837	.00651	.00600	.00697	.00537	.00514
75	Automotive repair and services .....	.01169	.00981	.01004	.01559	.01021	.00548	.00480	.00654	.01199	.01285
76	Amusements .....	.00318	.00205	.00311	.01040	.00164	.00153	.00162	.00162	.00214	.00210
77A	Health services .....	.0									

Table 5.—Industry-by-Commodity
[Total requirements, direct and indirect, per dollar]

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Ordnance and accessories	Food and kindred products	Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes
		13	14	15	16	17	18	19	20+21	22+23	24	25
Commodity number		13	14	15	16	17	18	19	20+21	22+23	24	25
1	Livestock and livestock products	0.00068	0.25604	0.00091	0.01578	0.00762	0.00594	0.00765	0.00573	0.00246	0.00327	0.00188
2	Other agricultural products .....	.00126	.16848	.08842	.09009	.02371	.02844	.03275	.02859	.00844	.00595	.00341
3	Forestry and fishery products .....	.00066	.00841	.00039	.00064	.00086	.00344	.00089	.09624	.00836	.00817	.00381
4	Agricultural, forestry, and fishery services .....	.00163	.02513	.00671	.00797	.00316	.00370	.00370	.02118	.00335	.00315	.00202
5+6	Metallic ores mining .....	.00370	.00171	.00031	.00213	.00270	.0102	.00134	.00117	.00395	.00175	.00197
7	Coal mining .....	.00300	.00420	.00184	.00704	.00634	.00439	.00449	.00328	.00467	.00995	.00710
8	Crude petroleum and natural gas .....	.01199	.02511	.00874	.03649	.04088	.02135	.02523	.02401	.01987	.03642	.03220
9+10	Nonmetallic minerals mining .....	.00128	.00278	.00118	.00456	.00511	.00191	.00262	.00197	.00198	.00698	.00407
11	New construction .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Maintenance and repair construction .....	.01631	.02473	.00955	.02553	.02997	.02045	.02117	.02035	.01833	.03171	.02588
13	Ordnance and accessories .....	.96874	.00006	.00003	.00008	.00010	.00007	.00006	.00006	.00008	.00009	.00008
14	Food and kindred products .....	.00270	1.23597	.00242	.00808	.00789	.00612	.00947	.00832	.00591	.01410	.00851
15	Tobacco products .....	.00001	.00001	1.09045	.00002	.00002	.00001	.00001	.00001	.00001	.00007	.00003
16	Broad and narrow fabrics, yarn and thread mills .....	.00241	.00244	.00143	1.27721	2.4693	3.6494	4.5425	.00250	.06701	.00745	.00400
17	Miscellaneous textile goods and floor coverings .....	.00080	.00181	.00070	.00433	.97617	.00470	.06276	.00402	.02728	.00993	.00458
18	Apparel .....	.00093	.00034	.00014	.01310	.00508	1.24581	.04894	.00045	.00115	.00048	.00038
19	Miscellaneous fabricated textile products .....	.00033	.00078	.00033	.00383	.03781	.91556	.00052	.00002	.00194	.00067	.00043
20+21	Lumber and wood products .....	.00654	.00900	.00396	.00521	.00724	.00435	.00704	1.41773	.11913	.11404	.05208
22+23	Furniture and fixtures .....	.00065	.00020	.00005	.00013	.00011	.00015	.00110	.00347	.99593	.00051	.00028
24	Paper and allied products, except containers .....	.00665	.04032	.02146	.01216	.03267	.01120	.01437	.01107	.01999	1.15789	.49161
25	Paperboard containers and boxes .....	.00436	.02853	.01425	.00591	.00776	.00536	.00619	.00680	.01960	.01966	1.00112
26A	Newspapers and periodicals .....	.00379	.01149	.02453	.00365	.00595	.00660	.00443	.00418	.00586	.00491	.00468
26B	Other printing and publishing .....	.00581	.02003	.03477	.00666	.01117	.01059	.00935	.00742	.00943	.01739	.01266
27A	Industrial and other chemicals .....	.02191	.02628	.01122	.13773	.17442	.05284	.07809	.02184	.03351	.09023	.06856
27B	Agricultural fertilizers and chemicals .....	.00160	.01680	.00794	.01295	.00898	.00456	.00580	.00712	.00230	.00372	.00252
28	Plastics and synthetic materials .....	.01033	.00948	.00992	.18630	.26319	.07016	.09825	.01181	.03113	.04118	.02612
29A	Drugs .....	.00027	.00587	.00023	.00112	.00132	.00056	.00068	.00030	.00031	.00083	.00058
29B	Cleaning and toilet preparations .....	.00068	.00319	.00248	.00531	.00910	.00705	.00369	.00127	.00212	.00708	.00369
30	Paints and allied products .....	.00120	.00144	.00035	.00175	.00222	.00095	.00114	.00314	.01026	.00166	.00447
31	Petroleum refining and related products .....	.00994	.02232	.00829	.02570	.02799	.01560	.01818	.02441	.01716	.02642	.02763
32	Rubber and miscellaneous plastics products .....	.02443	.03308	.01088	.02365	.03620	.01873	.03447	.02384	.05757	.05497	.03687
33+34	Footwear, leather, and leather products .....	.00007	.00024	.00006	.00050	.00022	.00738	.02772	.00031	.00158	.00011	.00013
35	Glass and glass products .....	.00161	.01397	.00040	.01094	.00356	.00362	.00489	.00573	.00667	.00165	.00223
36	Stone and clay products .....	.00439	.00252	.00096	.00236	.00669	.00162	.00237	.00831	.00689	.00570	.00360
37	Primary iron and steel manufacturing .....	.03532	.01312	.00222	.00532	.00725	.00417	.00491	.01334	.06432	.00827	.01739
38	Primary nonferrous metals manufacturing .....	.04417	.01825	.00160	.00399	.00516	.00393	.00358	.00810	.02600	.00701	.01040
39	Metal containers .....	.00036	.03128	.00028	.00139	.00166	.00074	.00095	.00069	.00097	.00124	.00206
40	Heating, plumbing, and fabricated structural metal products .....	.00284	.02003	.00073	.00176	.00219	.00142	.00160	.01104	.00459	.00296	.00228
41	Screw machine products and stampings .....	.01105	.00314	.00050	.00099	.00125	.00087	.00108	.00761	.01402	.00200	.00239
42	Other fabricated metal products .....	.01853	.00830	.00282	.00363	.00486	.00283	.00370	.01908	.05197	.01206	.01789
43	Engines and turbines .....	.00185	.00070	.00023	.00068	.00071	.00049	.00053	.00080	.00068	.00079	.00074
44+45	Farm, construction, and mining machinery .....	.00103	.00246	.00080	.00137	.00098	.00070	.00076	.00129	.00123	.00108	.00085
46	Materials handling machinery and equipment .....	.00022	.00024	.00008	.00024	.00027	.00020	.00020	.00069	.00109	.00034	.00029
47	Metalworking machinery and equipment .....	.00447	.00133	.00059	.00135	.00150	.00091	.00125	.00234	.00309	.00170	.00211
48	Special industry machinery and equipment .....	.00342	.00121	.00044	.00325	.01347	.00472	.00421	.00112	.00173	.00454	.00682
49	General industrial machinery and equipment .....	.01494	.00219	.00049	.00124	.00180	.00108	.00127	.00402	.00437	.00211	.00191
50	Miscellaneous machinery, except electrical .....	.01134	.00300	.00103	.00451	.00472	.00280	.00373	.00470	.00577	.00506	.00536
51	Computer and office equipment .....	.00774	.00143	.00099	.00151	.00171	.00149	.00133	.00136	.00140	.00186	.00169
52	Service industry machinery .....	.00053	.00078	.00044	.00066	.00080	.00058	.00081	.00197	.00180	.00098	.00079
53	Electrical industrial equipment and apparatus .....	.00904	.00173	.00097	.00139	.00190	.00122	.00132	.00184	.00241	.00190	.00187
54	Household appliances .....	.00018	.00015	.00006	.00019	.00020	.00014	.00043	.00316	.00050	.00040	.00025
55	Electric lighting and wiring equipment .....	.00196	.00125	.00081	.00094	.00098	.00069	.00073	.00294	.00125	.00148	.00108
56	Audio, video, and communication equipment .....	.01324	.00043	.00026	.00038	.00044	.00039	.00036	.00044	.00048	.00043	.00044
57	Electronic components and accessories .....	.00715	.00295	.00165	.00275	.00308	.00307	.00255	.00292	.00307	.00311	.00313
58	Miscellaneous electrical machinery and supplies .....	.00157	.00203	.00082	.00104	.00088	.00079	.00078	.00121	.00084	.00098	.00090
59A	Motor vehicles (passenger cars and trucks) .....	.00020	.00018	.00006	.00012	.00014	.00010	.00010	.00045	.00028	.00018	.00018
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00461	.00377	.00143	.00279	.00306	.00232	.00280	.00719	.00327	.00372	.00372
60	Aircraft and parts .....	.10843	.00041	.00022	.00042	.00046	.00044	.00045	.00046	.00054	.00046	.00052
61	Other transportation equipment .....	.00105	.00049	.00012	.00037	.00046	.00032	.00116	.00113	.00040	.00059	.00058
62	Scientific and controlling instruments .....	.05752	.00088	.00045	.00076	.00244	.00058	.00082	.00102	.00291	.00512	.00271
63	Ophthalmic and photographic equipment .....	.00111	.00096	.00084	.00099	.00128	.00094	.00091	.00089	.00111	.00290	.00174
64	Miscellaneous manufacturing .....	.00113	.00172	.00226	.00106	.00138	.01520	.00430	.00219	.00224	.00136	.00129
65A	Railroads and related services; passenger ground transportation .....	.00431	.01489	.00295	.01135	.01382	.00623	.00735	.01294	.00906	.01801	.02060
65B	Motor freight transportation and warehousing .....	.01994	.04518	.01357	.03452	.04469	.02838	.03464	.05135	.03606	.05766	.07533
65C	Water transportation .....	.00100	.00490	.00093	.00294	.00429	.00157	.00213	.00523	.00236	.00443	.00305
65D	Air transportation .....	.00802	.00802	.00489	.00788	.00854	.00959	.00937	.00799	.00774	.00801	.00978
65E	Pipelines, freight forwarders, and related services .....	.00241	.00456	.00168	.00405	.00480	.00332	.00369	.00458	.00345	.00515	.00601
66	Communications, except radio and TV .....	.00938	.01162	.00807	.01008	.01259	.01097	.01061	.01020	.01146	.01082	.01248
67	Radio and TV broadcasting .....	.00262	.00829	.01818	.00254	.00421	.00475	.00311	.00277	.00415	.00334	.00275
68A	Electric services (utilities) .....	.01708	.02403	.00702	.04453	.03517	.02813	.02865	.02290	.02252	.03835	.03008
68B	Gas production and distribution (utilities) .....	.00769	.01463	.00397	.02171	.02402	.01476	.01642	.01082	.01199	.02740	.01922
68C	Water and sanitary services .....	.00124	.00218	.00072	.00236	.00291	.00152	.00201	.00183	.00169	.00385	.00271
69A	Wholesale trade .....	.05904	.12083	.03700	.09991	.09606	.09692	.09955	.11097	.11358	.09526	.11634
69B	Retail trade .....	.00156	.00462	.00406	.00314	.00303	.00240	.00249	.00346	.00378	.00439	.00346
70A	Finance .....	.01774	.02467	.01509	.02254	.02502	.02309	.02272	.02386	.02256	.02372	.02498
70B	Insurance .....	.00401	.00776	.00394	.00579	.00598	.00554	.00554	.00682	.00561	.00598	.00625
71A	Owner-occupied dwellings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71B	Real estate and royalties .....	.02457	.05339	.02454	.03595	.03358	.03817	.03966	.03115	.03217	.02893	.03033
72A	Hotels and lodging places .....	.00559	.00615	.00476	.00646	.00731	.00729	.00688	.00687	.00641	.00664	.00727
72B	Personal and repair services (except auto) .....	.00260	.00368	.00214	.01024	.00850	.00597	.00550	.00396	.00353	.00568	.00524
73A	Computer and data processing services .....	.01477	.00966	.00596	.01103	.01267	.00981	.00962	.00967	.00968	.01214	.01198
73B	Legal, engineering, accounting, and related services .....	.01710	.01790	.01843	.02406	.02948	.01944	.02053	.01989	.02185	.01949	.01799
73C	Other business and professional services, except medical .....	.03560	.04202	.03043	.04064	.04277	.08289	.03848	.03927	.04235	.04140	.04280
73D	Advertising .....	.00285	.00899	.01969	.00277	.00457	.00519	.00338	.00302	.00451	.00363	.00300
74	Eating and drinking places .....	.00743	.00759	.00578	.00860	.00940	.00991	.00942	.00909	.00874	.00843	.00918
75	Automotive repair and services .....	.00609	.01161	.00595	.01135	.01237	.00886	.00904	.01249	.00904	.01397	.01437
76	Amusements .....	.00212	.00569	.01063	.00223	.00321	.00370	.00247	.00266	.00303	.00284	.00258
77A	Health services .....	.00006	.00411	.00005	.00031	.00019	.00020	.00018	.00015	.00010	.00012	.00011
77B	Educational and social services, and membership organizations .....	.00224	.00276	.00228	.00257	.00287	.00285	.00737	.00580	.00350	.00	

Total Requirements, 1992—Continued

of delivery to final demand, at producers' prices]

Newspapers and periodicals	Other printing and publishing	Industrial and other chemicals	Agricultural fertilizers and chemicals	Plastics and synthetic materials	Drugs	Cleaning and toilet preparations	Paints and allied products	Petroleum refining and related products	Rubber and miscellaneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Industry number
26A	26B	27A	27B	28	29A	29B	30	31	32	33+34	35	36	37	38	39	40	41	
0.00083	0.00106	0.00210	0.00505	0.00218	0.00232	0.00484	0.00353	0.00092	0.00178	0.04878	0.00083	0.00095	0.00075	0.00090	0.00101	0.00078	0.00075	1
.00135	.00193	.01136	.00553	.01163	.00516	.00516	.00610	.00161	.00647	.02940	.00192	.00196	.00128	.00189	.00174	.00131	.00212	2
.00105	.00168	.00098	.00119	.0106	.00093	.00111	.00104	.00057	.00728	.00176	.00189	.00098	.00071	.00119	.00083	.00070	.00062	3
.00131	.00139	.00224	.00196	.00223	.00162	.00171	.00172	.00163	.00290	.00521	.00154	.00149	.00134	.00169	.00143	.00121	.00109	4
.00050	.00088	.01452	.00474	.00678	.00098	.00289	.00701	.00168	.00293	.00148	.00268	.00252	.04731	.06971	.03346	.01616	.01449	5+6
.00204	.00317	.00790	.00683	.00756	.00240	.00329	.00443	.00398	.00533	.00354	.01177	.01384	.03182	.00867	.01117	.00869	.00963	7
.01080	.01613	.13701	.10982	.07855	.01389	.03607	.05437	.78847	.03479	.02639	.03289	.04336	.03354	.03102	.02933	.02098	.01986	8
.00129	.00203	.03045	.05925	.01185	.00177	.00508	.00991	.00557	.00489	.00281	.01500	.08471	.00680	.00275	.00313	.00261	.00258	9+10
.01630	.01882	.03370	.03112	.03345	.01757	.01979	.02268	.05249	.02460	.02513	.02360	.02627	.02827	.02759	.02721	.01925	.02611	11
.00005	.00006	.00050	.00011	.00020	.00006	.00030	.00016	.00026	.00010	.00007	.00007	.00007	.00030	.00038	.00022	.00006	.00071	12
.00346	.00453	.01794	.02417	.01010	.01229	.02016	.01820	.00410	.00622	.16608	.00363	.00400	.00318	.00373	.00469	.00338	.00319	13
.00001	.00001	.00016	.00002	.00005	.00001	.00001	.00004	.00001	.00002	.00001	.00001	.00001	(*)	.00001	.00001	(*)	(*)	14
.00123	.00329	.00182	.00119	.05498	.00133	.00286	.00773	.00070	.02619	.05394	.00161	.00574	.00106	.00252	.00168	.00133	.00146	16
.00129	.00249	.00072	.00066	.00383	.00092	.00092	.00196	.00002	.01330	.03153	.00092	.00067	.00058	.00074	.00063	.00064	.00069	17
.00018	.00027	.00029	.00029	.00050	.00024	.00043	.00028	.00022	.00102	.00858	.00024	.00031	.00033	.00036	.00037	.00030	.00030	18
.00023	.00052	.00031	.00029	.00034	.00025	.00077	.00026	.00031	.00101	.00246	.00029	.00039	.00028	.00029	.00031	.00028	.00059	19
.01371	.02055	.00659	.00621	.00733	.00461	.00687	.00455	.00637	.00971	.00602	.02758	.01170	.00815	.01128	.00826	.00857	.00661	20+21
.00010	.00018	.00012	.00011	.00013	.00010	.00016	.00018	.00010	.00078	.00027	.00607	.00036	.00044	.00036	.00087	.00108	.00077	22+23
.12015	.19351	.01617	.01555	.02928	.02100	.04697	.01249	.00611	.03863	.02458	.03047	.02161	.00650	.00796	.01468	.00930	.01084	24
.00380	.01059	.00870	.00885	.00960	.01484	.04214	.00492	.00275	.01987	.01081	.04791	.00611	.02654	.00428	.00292	.00729	.00809	25
.98826	.04055	.00511	.00753	.00519	.02051	.02078	.00671	.00377	.00462	.01117	.00345	.00434	.00420	.00368	.00467	.00442	.00492	26A
.16827	1.09321	.00899	.01734	.00911	.03163	.02933	.00149	.00667	.00831	.02130	.00613	.00718	.00900	.00724	.02968	.00778	.00848	26B
.02241	.03897	1.10983	.20679	.48463	.05255	.17304	.31034	.05100	.15897	.07405	.06025	.04820	.02776	.06434	.04822	.03136	.02273	27A
.00088	.00139	.02583	1.01398	.02169	.00352	.00527	.00852	.00141	.00614	.05004	.00181	.00153	.00098	.00176	.00149	.00109	.00087	27B
.00597	.01175	.06909	.02857	.89041	.01103	.02394	.12808	.00429	.17987	.02895	.01111	.01248	.00503	.02472	.01480	.00947	.00878	28
.00020	.00034	.00787	.01384	.00308	1.12308	.00378	.00022	.00035	.00712	.00140	.00050	.00041	.00203	.00030	.00031	.00024	.00019	29A
.00111	.00171	.01433	.02991	.01348	.00841	.97670	.00808	.00426	.00476	.00710	.00340	.00390	.00091	.00115	.00120	.00094	.00092	29B
.00050	.00077	.00744	.00214	.00582	.00072	.00227	.98671	.01024	.00071	.00114	.00187	.00292	.00126	.00116	.02425	.00620	.00351	30
.00929	.01296	.09777	.04541	.04795	.01027	.03258	.04434	1.02816	.02500	.02194	.02204	.03475	.02228	.02292	.02148	.01586	.01457	31
.00975	.02550	.02513	.02339	.05988	.03036	.07277	.01942	.00899	1.03603	.05491	.03537	.01799	.01190	.02291	.01784	.02400	.01907	32
.00012	.00035	.00009	.00009	.00011	.00008	.00014	.00007	.00009	.00050	1.24098	.00008	.00008	.00009	.00008	.00009	.00015	.00012	33+34
.00052	.00079	.00219	.00227	.00188	.00585	.00726	.00155	.00316	.00781	.00293	1.07235	.00387	.00098	.00612	.00288	.00756	.00325	35
.00133	.00186	.00578	.00678	.00397	.00230	.00310	.01819	.00709	.00535	.00302	.02182	1.09453	.02442	.00776	.00923	.00908	.01018	36
.00273	.00475	.01606	.01086	.00995	.0404	.00931	.01619	.01919	.01573	.00767	.00895	.02163	1.22139	.04461	.24830	.24289	.27531	37
.00236	.00464	.01192	.00765	.00692	.00350	.00985	.02293	.00463	.00878	.00614	.01045	.00830	.04993	1.43023	.50527	.13982	.08938	38
.00035	.00068	.00815	.00767	.00394	.00242	.01319	.04024	.01061	.00164	.00441	.00074	.00070	.00050	.00073	1.07774	.00077	.00064	39
.00110	.00147	.00295	.00246	.00251	.00129	.00176	.00183	.00316	.00625	.00187	.00345	.00393	.00417	.00504	.00597	1.00446	.00859	40
.00070	.00108	.00158	.00150	.00141	.00194	.00236	.00151	.00105	.00455	.00210	.00280	.00323	.00240	.00378	.00524	.01747	.97677	41
.00303	.00570	.01101	.00733	.00719	.00319	.00699	.00602	.00705	.01317	.01323	.00476	.01189	.02555	.01581	.02775	.00450	.03764	42
.00032	.00049	.00101	.00107	.00085	.00032	.00059	.00071	.00085	.00090	.00048	.00084	.00132	.00032	.00140	.00125	.00316	.00313	43
.00034	.00081	.00243	.00326	.00140	.00041	.00072	.00110	.00289	.00092	.00090	.00139	.00425	.00464	.00302	.00226	.00331	.01189	44+45
.00012	.00016	.00062	.00107	.00038	.00016	.00023	.00031	.00058	.00038	.00020	.00042	.00139	.00010	.00098	.00067	.00124	.00053	46
.00055	.00101	.00215	.00111	.00177	.00065	.00126	.00140	.00103	.00366	.00118	.00605	.00475	.01171	.01428	.00895	.01163	.02609	47
.00149	.00543	.00702	.00172	.00397	.00082	.00216	.00055	.00499	.00216	.00225	.00216	.00079	.00137	.00235	.00148	.00134	.00109	48
.00064	.00100	.00237	.00255	.00212	.00138	.00124	.00164	.00218	.00211	.00109	.00155	.00367	.02150	.01186	.00932	.01149	.01028	49
.00157	.00277	.00640	.00337	.00540	.00183	.00343	.00332	.00348	.00898	.00416	.00697	.00520	.01400	.00910	.01003	.01471	.02699	50
.00221	.00196	.00201	.00190	.00200	.00153	.00150	.00152	.00175	.00178	.00177	.00142	.00185	.00214	.00207	.00204	.00171	.00210	51
.00045	.00053	.00124	.00085	.00099	.00048	.00145	.00068	.00094	.00091	.00066	.00072	.00083	.00143	.00081	.00089	.00057	.00208	52
.00084	.00121	.00274	.00203	.00215	.00102	.00184	.00174	.00193	.00213	.00118	.00377	.00251	.01220	.00693	.00547	.00661	.00621	53
.00011	.00014	.00028	.00018	.00021	.00010	.00016	.00015	.00020	.00014	.00009	.00099	.00017	.00220	.00024	.00021	.00084	.00174	54
.00060	.00106	.00121	.00105	.00133	.00078	.00121	.00477	.00126	.00159	.00111	.00253	.00133	.00239	.00265	.00188	.00136	.00174	55
.00045	.00069	.00046	.00050	.00040	.00042	.00041	.00041	.00047	.00043	.00043	.00036	.00066	.00049	.00055	.00052	.00096	.00096	56
.00292	.00307	.00332	.00319	.00331	.00299	.00281	.00294	.00251	.00406	.00299	.00267	.00287	.00413	.00684	.00490	.00411	.00541	57
.00093	.00086	.00092	.00096	.00090	.00061	.00080	.00082	.00084	.00113	.00087	.00066	.00147	.00018	.00797	.00336	.00153	.00189	58
.00010	.00011	.00015	.00018	.00015	.00010	.00012	.00014	.00012	.00016	.00012	.00015	.00023	.00025	.00019	.00020	.00035	.01142	59A

Table 5.—Industry-by-Commodity
[Total requirements, direct and indirect, per dollar]

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Other fabricated metal products	Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Electrical industrial equipment and apparatus
		Commodity number	42	43	44+45	46	47	48	49	50	51	52	53
1	Livestock and livestock products	0.00081	0.00076	0.00081	0.00073	0.00071	0.00077	0.00079	0.00063	0.00077	0.00081	0.00077
2	Other agricultural products	0.0150	0.0118	0.0136	0.0115	0.0120	0.0124	0.0135	0.0097	0.0117	0.0144	0.0130
3	Forestry and fishery products	0.0085	0.0057	0.0089	0.0071	0.0076	0.0088	0.0072	0.0045	0.0056	0.0096	0.0075
4	Agricultural, forestry, and fishery services	0.0126	0.0135	0.0133	0.0113	0.0113	0.0123	0.0134	0.0118	0.0131	0.0124	0.0145
5+6	Metallic ores mining	0.1137	0.1102	0.0905	0.0946	0.0738	0.0799	0.0760	0.0897	0.0261	0.0946	0.0908
7	Coal mining	0.0748	0.0730	0.0669	0.0632	0.0543	0.0500	0.0565	0.0537	0.0265	0.0527	0.0499
8	Crude petroleum and natural gas	0.2135	0.1630	0.1682	0.1678	0.1526	0.1459	0.1562	0.1371	0.1003	0.1597	0.1852
9+10	Nonmetallic minerals mining	0.0245	0.0224	0.0197	0.0178	0.0319	0.0171	0.0175	0.0157	0.0101	0.0216	0.0393
11	New construction											
12	Maintenance and repair construction	0.2077	0.2145	0.1905	0.1786	0.1830	0.1843	0.1790	0.1853	0.2135	0.2065	0.1847
13	Ordnance and accessories	0.0021	0.0062	0.0020	0.0151	0.0077	0.0033	0.0034	0.0038	0.0015	0.0127	0.0017
14	Food and kindred products	0.0343	0.0314	0.0333	0.0301	0.0297	0.0319	0.0307	0.0254	0.0316	0.0352	0.0312
15	Tobacco products	0.0001	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills	0.0263	0.0151	0.0202	0.0159	0.0156	0.0170	0.0333	0.0121	0.0137	0.0212	0.0190
17	Miscellaneous textile goods and floor coverings	0.0117	0.0081	0.0124	0.0123	0.0065	0.0104	0.0793	0.0183	0.0065	0.0122	0.0090
18	Apparel	0.0060	0.0078	0.0036	0.0032	0.0036	0.0117	0.0035	0.0022	0.0034	0.0038	0.0030
19	Miscellaneous fabricated textile products	0.0077	0.0034	0.0031	0.0027	0.0023	0.0027	0.0026	0.0021	0.0030	0.0027	0.0025
20+21	Lumber and wood products	0.0819	0.0492	0.0698	0.0653	0.0844	0.0888	0.0610	0.0440	0.0467	0.0914	0.0625
22+23	Furniture and fixtures	0.0222	0.0034	0.0069	0.0312	0.0026	0.0023	0.0023	0.0026	0.0075	0.0119	0.0029
24	Paper and allied products, except containers	0.1999	0.0793	0.0874	0.0812	0.0856	0.1527	0.1401	0.0668	0.1174	0.1584	0.1524
25	Paperboard containers and boxes	0.0874	0.0417	0.0467	0.0345	0.0643	0.0418	0.0721	0.0453	0.0712	0.0759	0.0676
26A	Newspapers and periodicals	0.0509	0.0397	0.0529	0.0499	0.0431	0.0505	0.0530	0.0471	0.0704	0.0555	0.0601
26B	Other printing and publishing	0.0958	0.0721	0.0872	0.0838	0.0707	0.0886	0.0849	0.0719	0.1099	0.0877	0.0903
27A	Industrial and other chemicals	0.3521	0.1566	0.2080	0.1538	0.2196	0.1701	0.1669	0.1237	0.1501	0.2359	0.2101
27B	Agricultural fertilizers and chemicals	0.0127	0.0072	0.0089	0.0073	0.0085	0.0076	0.0113	0.0057	0.0075	0.0104	0.0091
28	Plastics and synthetic materials	0.1639	0.0763	0.1217	0.0820	0.1004	0.0870	0.1182	0.0583	0.0830	0.1524	0.1329
29A	Drugs	0.0027	0.0014	0.0017	0.0014	0.0018	0.0020	0.0014	0.0010	0.0015	0.0024	0.0019
29B	Cleaning and toilet preparations	0.0127	0.0070	0.0080	0.0069	0.0074	0.0075	0.0081	0.0052	0.0082	0.0165	0.0151
30	Paints and allied products	0.0751	0.0262	0.0501	0.0253	0.0291	0.0145	0.0159	0.0119	0.0143	0.0458	0.0350
31	Petroleum refining and related products	0.1550	0.1272	0.1325	0.1374	0.1192	0.1179	0.1227	0.1045	0.0845	0.1252	0.1590
32	Rubber and miscellaneous plastics products	0.4169	0.2576	0.5539	0.3201	0.4032	0.3339	0.4044	0.1428	0.2861	0.4197	0.4073
33+34	Footwear, leather, and leather products	0.0023	0.0008	0.0009	0.0008	0.0006	0.0014	0.0007	0.0006	0.0007	0.0008	0.0007
35	Glass and glass products	0.0252	0.0130	0.0193	0.0131	0.0133	0.0198	0.0120	0.0120	0.0390	0.0197	0.0179
36	Stone and clay products	0.0872	0.1212	0.0768	0.0754	0.1740	0.0784	0.0853	0.0826	0.0323	0.1179	0.3693
37	Primary iron and steel manufacturing	2.1255	1.9707	1.7579	1.7412	1.2499	1.0756	1.2457	1.1330	1.9105	1.0468	0.8375
38	Primary nonferrous metals manufacturing	0.1019	0.0785	0.0435	0.0645	0.0592	0.0815	0.0592	0.1000	0.3490	0.1125	0.0963
39	Metal containers	0.1128	0.0045	0.0059	0.0045	0.0045	0.0041	0.0040	0.0030	0.0042	0.0061	0.0051
40	Heating, plumbing, and fabricated structural metal products	0.0229	0.1927	0.5167	0.2536	0.1669	0.2061	0.1895	0.1244	0.1106	0.1498	0.0818
41	Screw machine products and stampings	0.2623	0.4286	0.2150	0.3483	0.3748	0.1454	0.1627	0.1721	0.1470	0.3846	0.2224
42	Other fabricated metal products	0.9638	0.4392	0.2990	0.3614	0.2504	0.3898	0.2645	0.3446	0.2933	0.2835	0.1959
43	Engines and turbines	0.0206	0.9753	0.5151	0.1023	0.0251	0.0537	0.1047	0.0500	0.0102	0.0369	0.2693
44+45	Farm, construction, and mining machinery	0.0539	0.0861	1.01091	0.1920	0.0626	0.0264	0.0649	0.0548	0.0069	0.0223	0.0238
46	Materials handling machinery and equipment	0.0078	0.0051	0.0307	0.9524	0.0147	0.0206	0.0330	0.0090	0.0028	0.0076	0.0134
47	Metalworking machinery and equipment	0.1159	0.1179	0.1801	0.1344	0.93813	0.2058	0.1207	0.2775	0.0268	0.0962	0.0762
48	Special industry machinery and equipment	0.0166	0.0104	0.0293	0.1251	0.0630	0.98760	0.0872	0.0327	0.0106	0.0466	0.0123
49	General industrial machinery and equipment	0.0948	0.3794	0.4009	0.7149	0.1833	0.4080	1.02921	0.2360	0.0214	0.3163	0.1286
50	Miscellaneous machinery, except electrical	0.1950	0.5589	0.3752	0.3857	0.4326	0.4644	0.4069	1.00258	0.0567	0.2961	0.1863
51	Computer and office equipment	0.0207	0.0288	0.0204	0.0185	0.0180	0.0314	0.0211	0.0227	1.15103	0.0236	0.0544
52	Service industry machinery	0.0196	0.0125	0.0127	0.0221	0.0087	0.0434	0.0533	0.0126	0.0074	1.04822	0.0103
53	Electrical industrial equipment and apparatus	0.0955	0.4653	0.1483	0.3680	0.2553	0.4295	0.4725	0.0738	0.2444	0.6216	1.00746
54	Household appliances	0.0024	0.0051	0.0042	0.0043	0.0118	0.0049	0.0085	0.0022	0.0029	0.0822	0.0670
55	Electric lighting and wiring equipment	0.0265	0.0189	0.0161	0.0204	0.0281	0.0192	0.0181	0.0728	0.0428	0.0882	0.1098
56	Audio, video, and communication equipment	0.0054	0.0112	0.0062	0.0122	0.0057	0.0070	0.0057	0.0045	0.1250	0.0099	0.0251
57	Electronic components and accessories	0.0630	0.0979	0.0505	0.0566	0.0479	0.1451	0.0744	0.0731	3.4505	0.0817	0.3915
58	Miscellaneous electrical machinery and supplies	0.0150	0.0120	0.0706	0.0492	0.0270	0.0208	0.0213	0.0220	0.0193	0.0183	0.0338
59A	Motor vehicles (passenger cars and trucks)	0.0038	0.0208	0.0147	0.0067	0.0102	0.0027	0.0028	0.0050	0.0025	0.0056	0.0038
59B	Truck and bus bodies, trailers, and motor vehicles parts	0.0369	0.4281	0.1152	0.0873	0.0506	0.0273	0.0529	0.0520	0.0331	0.0938	0.0500
60	Aircraft and parts	0.0307	0.0132	0.0395	0.0130	0.0128	0.0207	0.0504	0.0066	0.0131	0.0127	0.0127
61	Other transportation equipment	0.0043	0.0305	0.0264	0.0175	0.0072	0.0070	0.0050	0.0189	0.0033	0.0052	0.0311
62	Scientific and controlling instruments	0.0496	0.1255	0.0227	0.0426	0.0378	0.0632	0.0584	0.0330	0.0529	0.1857	0.0828
63	Ophthalmic and photographic equipment	0.0092	0.0093	0.0094	0.0091	0.0084	0.0139	0.0129	0.0092	0.1532	0.0109	0.0100
64	Miscellaneous manufacturing	0.0264	0.0100	0.0203	0.0156	0.0124	0.0118	0.0173	0.0095	0.0168	0.0176	0.0123
65A	Railroads and related services; passenger ground transportation	0.0979	0.0798	0.0832	0.0746	0.0662	0.0650	0.0642	0.0664	0.0429	0.0760	0.0801
65B	Motor freight transportation and warehousing	0.3660	0.4118	0.3928	0.3190	0.2898	0.2871	0.2746	0.2602	0.1458	0.3224	0.2900
65C	Water transportation	0.0309	0.0237	0.0275	0.0209	0.0205	0.0184	0.0186	0.0186	0.0105	0.0211	0.0269
65D	Air transportation	0.0736	0.1101	0.0942	0.0872	0.0698	0.0899	0.0825	0.0762	0.1110	0.0851	0.0816
65E	Pipelines, freight forwarders, and related services	0.0344	0.0389	0.0366	0.0321	0.0280	0.0301	0.0289	0.0271	0.0258	0.0322	0.0314
66	Communications, except radio and TV	0.1127	0.1081	0.1166	0.1219	0.1118	0.1281	0.1230	0.0950	0.1445	0.1170	0.1212
67	Radio and TV broadcasting	0.0360	0.0277	0.0374	0.0354	0.0304	0.0357	0.0380	0.0329	0.0493	0.0394	0.0427
68A	Electric services (utilities)	0.3017	0.2502	0.2349	0.2162	0.2285	0.2142	0.2374	0.2370	0.1753	0.2321	0.2340
68B	Gas production and distribution (utilities)	0.1720	0.1282	0.1299	0.1241	0.1144	0.1068	0.1198	0.1115	0.0654	0.1182	0.1243
68C	Water and sanitary services	0.0237	0.0219	0.0184	0.0168	0.0162	0.0148	0.0167	0.0145	0.0120	0.0254	0.0159
69A	Wholesale trade	0.1086	0.1066	0.12456	0.13427	0.8347	1.1323	1.0472	0.7528	1.6481	1.2158	1.1325
69B	Retail trade	0.0264	0.0236	0.0232	0.0204	0.0190	0.0203	0.0207	0.0186	0.0235	0.0279	0.0257
70A	Finance	0.2171	0.2252	0.2247	0.2080	0.1893	0.1982	0.2029	0.1877	0.2376	0.2256	0.2226
70B	Insurance	0.0498	0.0510	0.0530	0.0516	0.0448	0.0442	0.0465	0.0425	0.0484	0.0510	0.0457
71A	Owner-occupied dwellings											
71B	Real estate and royalties	0.2918	0.2662	0.2605	0.2812	0.2784	0.3016	0.2594	0.3006	0.3737	0.2600	0.2757
72A	Hotels and lodging places	0.0638	0.0682	0.0676	0.0616	0.0577	0.0622	0.0614	0.0569	0.0717	0.0662	0.0615
72B	Personal and repair services (except auto)	0.0429	0.0431	0.0390	0.0335	0.0311	0.0306	0.0371	0.0305	0.0295	0.0353	0.0345
73A	Computer and data processing services	0.1183	0.1448	0.1261	0.1024	0.0962	0.0974	0.1086	0.0868	0.1960	0.1245	0.1007
73B	Legal, engineering, accounting, and related services	0.2047	0.1698	0.2109	0.2196	0.1939	0.2228	0.1988	0.1873	0.2816	0.2012	0.1727
73C	Other business and professional services, except medical	0.4175	0.4083	0.4051	0.3911	0.3538	0.3715	0.3889	0.4003	0.4384	0.3782	0.3927
73D	Advertising	0.0392	0.0302	0.0407	0.0385	0.0331	0.0388	0.0413	0.0359			

Total Requirements, 1992—Continued

[of delivery to final demand, at producers' prices]

Household appliances	Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Aircraft and parts	Other transportation equipment	Scientific and controlling instruments	Ophthalmic and photographic equipment	Miscellaneous manufacturing	Railroads and related services; passenger ground transportation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services	Communications, except radio and TV	Industry number
54	55	56	57	58	59A	59B	60	61	62	63	64	65A	65B	65C	65D	65E	66	
0.00103	0.00082	0.00069	0.00072	0.00091	0.00131	0.00090	0.00081	0.00086	0.00089	0.00077	0.00200	0.00063	0.00065	0.00127	0.00214	0.00057	0.00063	1
.00215	.00154	.00116	.00128	.00178	.00304	.00163	.00140	.00179	.00160	.00149	.00491	.00122	.00098	.00162	.00196	.00093	.00101	2
.00131	.00078	.00064	.00057	.00098	.00123	.00096	.00055	.00188	.00061	.00083	.00236	.00078	.00044	.00054	.00049	.00072	.00050	3
.00160	.00126	.00116	.00162	.00176	.00153	.00140	.00156	.00159	.00128	.00109	.00171	.00105	.00077	.00113	.00097	.00076	.00096	4
.00868	.00723	.00353	.00369	.00710	.00743	.01684	.00443	.00626	.00298	.00159	.00632	.00143	.00063	.00084	.00052	.00037	.00049	5+6
.00581	.00482	.00251	.00344	.00418	.00508	.00712	.00305	.00487	.00302	.00330	.00381	.00262	.00191	.00215	.00156	.00216	.00113	7
.02213	.01821	.00930	.01204	.01694	.01983	.01941	.01120	.01536	.00965	.01413	.02058	.08055	.05140	.02680	.08540	.01272	.00542	8
.00442	.00284	.00098	.00156	.00191	.00228	.00238	.00120	.00162	.00113	.00181	.00238	.00188	.00083	.00091	.00100	.00061	.00085	9+10
.02126	.01852	.01865	.02578	.02043	.02237	.02416	.02016	.01646	.01665	.01655	.01917	.08236	.01988	.02675	.02230	.02928	.05161	12
.00061	.00012	.00259	.00308	.00250	.00308	.00035	.04021	.00019	.01235	.00014	.00009	.00006	.00006	.00008	.00122	.00018	.00009	13
.00422	.00344	.00283	.00295	.00377	.00456	.00369	.00316	.00285	.00337	.00329	.00724	.00340	.00274	.00539	.00981	.00220	.00215	14
.00001	(*)	(*)	(*)	.00001	.00001	(*)	(*)	(*)	(*)	.00001	.00001	(*)	(*)	(*)	(*)	(*)	(*)	15
.00530	.00311	.00215	.00136	.00339	.01990	.00298	.00431	.00488	.00692	.00228	.02269	.00121	.00094	.00342	.00070	.00173	.00074	16
.00209	.00100	.00097	.00062	.00163	.01122	.00189	.00120	.00454	.00590	.00118	.00278	.00071	.00054	.00218	.00031	.00053	.00039	17
.00041	.00302	.00026	.00028	.00034	.00188	.00041	.00047	.00054	.00106	.00024	.00669	.00067	.00025	.00301	.00030	.00028	.00080	18
.00066	.00027	.00024	.00024	.00030	.00259	.00133	.00188	.00469	.00033	.00021	.00311	.00039	.00041	.00356	.00050	.00262	.00023	19
.00855	.00667	.00557	.00511	.00583	.00864	.00867	.00417	.02351	.00712	.00796	.00463	.00947	.00376	.00407	.00051	.00916	.00594	20+21
.00257	.00210	.01161	.00128	.00043	.01753	.00130	.00103	.00210	.00098	.00019	.00193	.00017	.00016	.00014	.00009	.00010	.00031	22+23
.03308	.02318	.01295	.01039	.03884	.01353	.01301	.00657	.07555	.01529	.05565	.03374	.0604	.00568	.00820	.0596	.00830	.00674	24
.01545	.01814	.00545	.00485	.01578	.00735	.00640	.00273	.00365	.00730	.01388	.02320	.00188	.00234	.01772	.0168	.00293	.00160	25
.01039	.00830	.00503	.00619	.00592	.00715	.00906	.04003	.00403	.00643	.01463	.00372	.00367	.01488	.0709	.00921	.00708	.00160	26A
.01462	.01155	.00800	.00908	.00938	.01166	.01320	.00692	.00728	.00994	.00934	.02978	.01109	.00892	.01902	.01224	.01903	.01351	26B
.04964	.03271	.01613	.02706	.04035	.03859	.03074	.01524	.01909	.01743	.04318	.04783	.01242	.00956	.00980	.00890	.00482	.00443	27A
.00198	.00137	.00074	.00101	.00161	.00162	.00121	.00085	.00047	.00084	.00146	.00213	.00057	.00048	.00064	.00055	.00033	.00035	27B
.04510	.03093	.01088	.01031	.02852	.02647	.01785	.01161	.01197	.01328	.03990	.00395	.00442	.00392	.01447	.00012	.00247	.00217	28
.00049	.00028	.00016	.00022	.00031	.00033	.00024	.00030	.00117	.00279	.00126	.00061	.00011	.00010	.00011	.00012	.00006	.00009	29A
.00284	.00236	.00103	.00092	.00159	.00154	.00109	.00066	.00080	.00120	.00182	.00367	.00097	.00068	.00080	.00077	.00038	.00055	29B
.00924	.00154	.00104	.00104	.00123	.01456	.00695	.00313	.00699	.00110	.00077	.00719	.00132	.00103	.00157	.00052	.00049	.00099	30
.01760	.00942	.00763	.00942	.01326	.01656	.01527	.00969	.01294	.00799	.01058	.01739	.01050	.06397	.03121	.10906	.00979	.00536	31
.00791	.04995	.03195	.02689	.07896	.08718	.04410	.03070	.03537	.03106	.03653	.05535	.01395	.02002	.00957	.00557	.00844	.00708	32
.00012	.00008	.00008	.00008	.00010	.00092	.00015	.00015	.00015	.00024	.00010	.00024	.00010	.00009	.00020	.00020	.00020	.00012	33+34
.00459	.02848	.00397	.01242	.00294	.01401	.00357	.00190	.00825	.00614	.00881	.00249	.00201	.00109	.00104	.00087	.00088	.00082	35
.01209	.01621	.00274	.00429	.00537	.00760	.01021	.00566	.00403	.00252	.00763	.00454	.00107	.00246	.00195	.00157	.00219	.00219	36
.10945	.07918	.02253	.02590	.04540	.08198	.15008	.03111	.10217	.02797	.01106	.03703	.02095	.00618	.01075	.00480	.00388	.00500	37
.08455	.08974	.03989	.05248	.09483	.05704	.13549	.05590	.04453	.03307	.01378	.08523	.00864	.00441	.00694	.00399	.00315	.00478	38
.00101	.00055	.00035	.00044	.00060	.00116	.00075	.00042	.00662	.00061	.00054	.00099	.00037	.00031	.00035	.00048	.00016	.00017	39
.00975	.00308	.00864	.00772	.00050	.01022	.02624	.00430	.00270	.00965	.00210	.00483	.00509	.00159	.00281	.00141	.00176	.00282	40
.03716	.03098	.01532	.01477	.01549	.10031	.05288	.01490	.01691	.01536	.01037	.00663	.00274	.00205	.00202	.00154	.01013	.00330	41
.02588	.02932	.02030	.04252	.02851	.03568	.02776	.02693	.02828	.02465	.00793	.01854	.00945	.00633	.01056	.00381	.00407	.00450	42
.00215	.00154	.00053	.00061	.00130	.01574	.00645	.00262	.04541	.00077	.00054	.00080	.00698	.00146	.00854	.00050	.00157	.00218	43
.00178	.00458	.00086	.00110	.00278	.00411	.00110	.00070	.00411	.00086	.00110	.00094	.00110	.00049	.01024	.00058	.00034	.00035	44+45
.00043	.00038	.00021	.00023	.00032	.00050	.00071	.00024	.00085	.00019	.00018	.00029	.00023	.00017	.00020	.00013	.00010	.00009	46
.01057	.00676	.00280	.00398	.00528	.00738	.00851	.01445	.00057	.00382	.00241	.00461	.00029	.00073	.00572	.00112	.00049	.00058	47
.00297	.00137	.00093	.00226	.00153	.00147	.00140	.00089	.00093	.00112	.00141	.00128	.00042	.00034	.00057	.00028	.00033	.00029	48
.00915	.00446	.00210	.00237	.00695	.01060	.02570	.00600	.02843	.00307	.00131	.00360	.00800	.00152	.01476	.00125	.00442	.00311	49
.00858	.00885	.00592	.00837	.02076	.02517	.04977	.02126	.01689	.00791	.00617	.01117	.00499	.00246	.00651	.00334	.00238	.00129	50
.00407	.00313	.00300	.009216	.03254	.00535	.00515	.00813	.00255	.00353	.00254	.00579	.00044	.00177	.00262	.00435	.00824	.00635	51
.02754	.00089	.00090	.00091	.00097	.02022	.01391	.00058	.00491	.00072	.00049	.00079	.00181	.00109	.00103	.00063	.00068	.00084	52
.05145	.04008	.00645	.00687	.02036	.00605	.00707	.00519	.00605	.01367	.00699	.00521	.01426	.00256	.00329	.01023	.00225	.00323	53
.95433	.00124	.00035	.00019	.00054	.00057	.00060	.00018	.00600	.00029	.00044	.00025	.00047	.00012	.00033	.00013	.00015	.00025	54
.01561	.96479	.01005	.00611	.00508	.00823	.00491	.04740	.00498	.00224	.00113	.01615	.00224	.00113	.01223	.00069	.00076	.00167	55
.01831	.00441	.99632	.01868	.01179	.01334	.00240	.01228	.00161	.02197	.00121	.00118	.00072	.00070	.00051	.01017	.00122	.01992	56
.02702	.02226	.27490	1.12852	.11543	.03900	.03895	.04063	.00731	.00611	.04625	.01850	.00061	.00351	.00391	.00696	.00800	.02635	57
.00247	.00794	.01156	.00271	.92071	.02267	.02233	.00238	.00618	.00913	.01476	.00187	.00283	.00250	.00207	.00134	.00296	.00224	58
.00049	.00044	.00025	.00026	.00035	1.00449	.03658	.00026	.02417	.00024	.00028	.00029	.00058	.00058	.00008	.00024	.00012	.00011	59A
.00306	.00312	.00574	.00644	.02753														

Table 5.—Industry-by-Commodity
[Total requirements, direct and indirect, per dollar]

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Radio and TV broadcasting	Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Retail trade	Finance	Insurance	Owner-occupied dwellings	Real estate and royalties	Hotels and lodging places
		67	68A	68B	68C	69A	69B	70A	70B	71A	71B	72A
1	Livestock and livestock products	0.00384	0.00044	0.00057	0.00074	0.00086	0.00068	0.00050	0.00076	0.00050	0.00066	0.00148
2	Other agricultural products .....	.00475	.0103	.0141	.0209	.0122	.0100	.00066	.00091	.00169	.00169	.00247
3	Forestry and fishery products .....	.00039	.00071	.00093	.00151	.00063	.00038	.00024	.00030	.00036	.00053	.00058
4	Agricultural, forestry, and fishery services .....	.00229	.00101	.00173	.00318	.00115	.00184	.00088	.00113	.0021	.00596	.00560
5+6	Metallic ores mining .....	.00031	.00070	.00099	.00149	.00039	.00030	.00019	.00025	.00016	.00028	.00036
7	Coal mining .....	.00202	.10260	.00257	.00483	.00155	.00301	.00109	.00087	.00025	.00183	.00465
8	Crude petroleum and natural gas .....	.00707	.04353	.63537	.05643	.01047	.00991	.00551	.00495	.00200	.00674	.01381
9+10	Nonmetallic minerals mining .....	.00060	.00156	.00220	.00357	.00051	.00055	.00031	.00036	.00077	.00109	.00107
11	New construction .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Maintenance and repair construction .....	.02399	.08975	.12522	.15139	.01254	.02202	.01121	.01347	.05094	.06652	.04241
13	Ordnance and accessories .....	.00009	.00005	.00005	.00025	.00004	.00004	.00004	.00005	.00001	.00003	.00006
14	Food and kindred products .....	.00612	.00171	.00216	.00264	.00357	.00251	.00198	.00313	.00042	.00159	.00530
15	Tobacco products	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills .....	.00109	.00091	.00055	.00116	.00134	.00070	.00059	.00050	.00019	.00039	.00497
17	Miscellaneous textile goods and floor coverings .....	.00034	.00052	.00057	.00096	.00046	.00043	.00024	.00026	.00023	.00035	.00117
18	Apparel .....	.00067	.00016	.00016	.00048	.00149	.00021	.00014	.00015	.00003	.00011	.00163
19	Miscellaneous fabricated textile products .....	.00038	.00020	.00025	.00038	.00064	.00022	.00063	.00033	.00009	.00019	.00805
20+21	Lumber and wood products .....	.00394	.00936	.01242	.01999	.00763	.00421	.00257	.00285	.00489	.00689	.00590
22+23	Furniture and fixtures .....	.00010	.00008	.00010	.00022	.00009	.00012	.00007	.00007	.00003	.00008	.00012
24	Paper and allied products, except containers .....	.00892	.00339	.00390	.00616	.01404	.01625	.00998	.00824	.00108	.00429	.01102
25	Paperboard containers and boxes .....	.00172	.00109	.00117	.00225	.00675	.00275	.00132	.00137	.00034	.00085	.00367
26A	Newspapers and periodicals .....	.01467	.00162	.00207	.00319	.00919	.01514	.00786	.00694	.00056	.00359	.00788
26B	Other printing and publishing .....	.01887	.00394	.00442	.00683	.02168	.01886	.02045	.01977	.00126	.00664	.01376
27A	Industrial and other chemicals .....	.00522	.00814	.01318	.02902	.00592	.00483	.00323	.00374	.00158	.00352	.00693
27B	Agricultural fertilizers and chemicals .....	.00127	.00042	.00073	.00205	.00101	.00047	.00026	.00032	.00160	.00102	.00281
28	Plastics and synthetic materials .....	.00176	.00216	.00236	.00554	.00257	.00215	.00124	.00166	.00064	.00130	.00340
29A	Drugs .....	.00015	.00010	.00012	.00029	.00017	.00007	.00005	.00006	.00004	.00006	.00015
29B	Cleaning and toilet preparations .....	.00055	.00057	.00059	.00098	.00124	.00070	.00037	.00041	.00015	.00041	.00183
30	Paints and allied products .....	.00055	.00107	.00146	.00222	.00039	.00046	.00024	.00060	.00054	.00081	.00065
31	Petroleum refining and related products .....	.00672	.02591	.01665	.04852	.01027	.00949	.00485	.00491	.00205	.00558	.00975
32	Rubber and miscellaneous plastics products .....	.00453	.00642	.00558	.01576	.00854	.00692	.00321	.00551	.00184	.00389	.00892
33+34	Footwear, leather, and leather products .....	.00043	.00006	.00008	.00009	.00011	.00037	.00014	.00013	.00002	.00008	.00045
35	Glass and glass products .....	.00061	.00063	.00066	.00192	.00092	.00045	.00044	.00060	.00018	.00042	.00521
36	Stone and clay products .....	.00126	.00403	.00635	.00990	.00111	.00124	.00070	.00083	.00178	.00331	.00274
37	Primary iron and steel manufacturing .....	.00267	.00762	.01543	.01311	.00323	.00287	.00167	.00228	.00180	.00294	.00330
38	Primary nonferrous metals manufacturing .....	.00286	.00542	.00502	.01061	.00372	.00238	.00161	.00216	.00144	.00241	.00274
39	Metal containers .....	.00026	.00021	.00026	.00047	.00110	.00016	.00012	.00016	.00006	.00013	.00028
40	Heating, plumbing, and fabricated structural metal products .....	.00140	.00476	.00610	.00797	.00115	.00132	.00071	.00088	.00258	.00321	.00217
41	Screw machine products and stampings .....	.00094	.00187	.00110	.00327	.00088	.00081	.00054	.00086	.00027	.00061	.00093
42	Other fabricated metal products .....	.00239	.00390	.00654	.00873	.00272	.00272	.00192	.00279	.00130	.00239	.00286
43	Engines and turbines .....	.00035	.00597	.00062	.00110	.00035	.00049	.00023	.00033	.00009	.00026	.00052
44+45	Farm, construction, and mining machinery .....	.00032	.00396	.00244	.00205	.00042	.00031	.00018	.00020	.00055	.00039	.00049
46	Materials handling machinery and equipment .....	.00008	.00076	.00043	.00024	.00083	.00009	.00006	.00007	.00004	.00008	.00013
47	Metalworking machinery and equipment .....	.00045	.00110	.00101	.00131	.00075	.00044	.00029	.00035	.00016	.00033	.00053
48	Special industry machinery and equipment .....	.00029	.00023	.00027	.00050	.00048	.00037	.00025	.00029	.00006	.00017	.00038
49	General industrial machinery and equipment .....	.00058	.00267	.00199	.00250	.00071	.00064	.00045	.00053	.00033	.00061	.00081
50	Miscellaneous machinery, except electrical .....	.00120	.00299	.00280	.00863	.00219	.00146	.00072	.00086	.00026	.00086	.00129
51	Computer and office equipment .....	.00479	.00182	.00358	.00214	.00317	.00170	.00491	.00392	.00028	.00085	.00213
52	Service industry machinery .....	.00090	.00122	.00190	.00502	.00070	.00077	.00030	.00046	.00063	.00104	.00090
53	Electrical industrial equipment and apparatus .....	.00197	.00303	.00198	.00279	.00097	.00083	.00074	.00085	.00045	.00084	.00132
54	Household appliances .....	.00015	.00029	.00039	.00058	.00010	.00013	.00007	.00008	.00015	.00032	.00035
55	Electric lighting and wiring equipment .....	.00100	.00291	.00232	.00352	.00077	.00100	.00042	.00059	.00087	.00130	.00124
56	Audio, video, and communication equipment .....	.00252	.00050	.00066	.00164	.00090	.00053	.00061	.00083	.00021	.00048	.00072
57	Electronic components and accessories .....	.01287	.00262	.00275	.00579	.00945	.00294	.00500	.00426	.00049	.00153	.00333
58	Miscellaneous electrical machinery and supplies .....	.00316	.00137	.00122	.00315	.00119	.00114	.00145	.00218	.00024	.00062	.00099
59A	Motor vehicles (passenger cars and trucks) .....	.00010	.00012	.00009	.00112	.00015	.00021	.00007	.00015	.00002	.00008	.00012
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00238	.00210	.00203	.03063	.00375	.00551	.00180	.00354	.00042	.00175	.00291
60	Aircraft and parts .....	.00028	.00060	.00037	.00078	.00031	.00025	.00027	.00038	.00005	.00019	.00032
61	Other transportation equipment .....	.00030	.00082	.00025	.00041	.00015	.00015	.00013	.00017	.00005	.00012	.00022
62	Scientific and controlling instruments .....	.00079	.00126	.00101	.01507	.00058	.00056	.00042	.00075	.00023	.00056	.00097
63	Ophthalmic and photographic equipment .....	.00252	.00049	.00077	.00115	.00187	.00111	.00258	.00294	.00018	.00072	.00142
64	Miscellaneous manufacturing .....	.00298	.00101	.00118	.00171	.00208	.00250	.00279	.00221	.00035	.00112	.00284
65A	Railroads and related services; passenger ground transportation .....	.00255	.02944	.00356	.00549	.00247	.00269	.00219	.00288	.00054	.00198	.00375
65B	Motor freight transportation and warehousing .....	.00091	.01278	.01105	.03045	.01039	.00943	.01954	.01213	.00286	.00779	.01776
65C	Water transportation .....	.00059	.00613	.00365	.00336	.00075	.00069	.00048	.00043	.00021	.00053	.00109
65D	Air transportation .....	.00594	.00431	.00731	.00634	.00679	.00487	.00639	.00875	.00074	.00385	.00662
65E	Pipelines, freight forwarders, and related services .....	.00155	.00321	.00844	.01324	.00228	.00155	.00191	.00201	.00031	.00116	.01581
66	Communications, except radio and TV .....	.02913	.00642	.00850	.02470	.02287	.01673	.02248	.03557	.00197	.01188	.02276
67	Radio and TV broadcasting	1.03157	.00103	.00139	.00207	.00616	.01109	.00486	.00462	.00037	.00253	.00499
68A	Electric services (utilities) .....	.01613	.87766	.01813	.03821	.01161	.02429	.00843	.00645	.00154	.01443	.03770
68B	Gas production and distribution (utilities) .....	.00392	.04068	1.20954	.04054	.00564	.00569	.00373	.00256	.00083	.00501	.01233
68C	Water and sanitary services .....	.00163	.00174	.00130	.38823	.00115	.00187	.00171	.00095	.00024	.00297	.00611
69A	Wholesale trade .....	.02281	.02554	.03039	.05274	1.03790	.01538	.01495	.01511	.00558	.01121	.02254
69B	Retail trade .....	.00235	.00493	.00731	.01262	.00375	.99817	.00137	.00196	.00285	.00388	.00461
70A	Finance .....	.02351	.02648	.02580	.02859	.02090	.02713	1.16750	.08827	.02437	.01756	.06988
70B	Insurance .....	.01066	.00499	.00553	.01409	.00370	.00587	.00624	1.38420	.00995	.00564	.00497
71A	Owner-occupied dwellings .....	.....	.....	.....	.....	.....	.....	.....	.....	1.00000	.....	.....
71B	Real estate and royalties .....	.07037	.03106	.12728	.04596	.04371	.08757	.05257	.07687	.04198	1.06025	.09357
72A	Hotels and lodging places .....	.00565	.00387	.00531	.00489	.00506	.00488	.00492	.00855	.00063	.00503	1.00594
72B	Personal and repair services (except auto) .....	.00617	.00149	.00192	.00446	.00349	.00457	.00237	.00268	.00043	.00465	.00873
73A	Computer and data processing services .....	.02335	.01571	.01001	.01150	.01924	.01161	.04283	.02224	.00184	.00475	.01544
73B												

Total Requirements, 1992—Continued

of delivery to final demand, at producers' prices]

Personal and repair services (exc. auto)	Computer and data processing services	Legal, engineering, accounting, and related services	Other business and professional services, except medical	Advertising	Eating and drinking places	Auto-motive repair and services	Amusements	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	Non-comparable imports	Scrap, used and second-hand goods	General government industry	Rest-of-the-world adjustment to final uses	Household industry	Inventory valuation adjustment	Industry number
72B	73A	73B	73C	73D	74	75	76	77A	77B	78	79	80	81	82	83	84	85	
0.00091	0.00056	0.00048	0.00084	0.00143	0.05882	0.00067	0.00895	0.00300	0.00415	0.00074	0.00083							1
.00145	.00076	.00066	.00088	.00204	.04675	.00109	.01100	.00315	.00412	.00082	.00302							2
.00045	.00028	.00023	.00029	.00091	.00741	.00051	.00053	.00054	.00083	.00024	.00194							3
.00137	.00114	.00110	.00087	.00143	.00857	.00130	.00445	.00237	.00322	.00039	.00625							4
.00068	.00050	.00019	.00041	.00053	.00065	.00235	.00036	.00053	.00045	.00042	.00136							5+6
.00248	.00113	.00087	.00105	.00214	.00390	.00262	.00254	.00162	.00197	.00110	.00657							7
.01252	.00493	.00422	.00811	.01036	.01540	.01861	.00920	.00899	.01123	.00908	.04524							8
.00075	.00040	.00030	.00050	.00114	.00131	.00097	.00074	.00099	.00115	.00032	.00591							9+10
.01845	.01208	.00969	.00984	.01763	.02403	.01839	.02327	.01567	.05566	.01067	.27640							11
.00007	.00007	.00005	.00031	.00006	.00004	.00010	.00015	.00026	.00006	.00006	.00008							12
.00321	.00223	.00184	.00292	.00391	.27560	.00265	.01193	.01325	.01723	.00331	.00229							13
(*)	(*)	(*)	(*)	.00001	(*)	(*)	(*)	(*)	(*)	(*)	(*)							14
.00623	.00048	.00035	.00060	.00140	.00149	.00184	.00221	.00191	.00132	.00157	.00121							15
.00116	.00026	.00020	.00030	.00107	.00097	.00107	.00050	.00068	.00066	.00043	.00119							16
.00579	.00016	.00012	.00047	.00036	.00033	.00064	.00150	.00161	.00065	.00021	.00079							17
.00311	.00016	.00015	.00019	.00038	.00087	.00110	.00071	.00136	.00059	.00209	.00040							18
.00440	.00272	.00239	.00266	.00117	.00547	.00408	.00477	.00334	.00893	.00202	.02674							19
.00015	.00017	.00008	.00009	.00011	.00020	.00129	.00011	.00011	.00013	.00104	.00020							20+21
.01287	.00925	.00825	.01035	.08711	.01944	.00931	.01057	.01108	.02166	.00626	.00627							22
.00311	.00180	.00132	.00283	.00464	.01121	.00333	.00243	.00334	.00339	.00290	.00193							23
.00996	.00537	.00325	.00438	.27007	.01016	.00832	.01461	.00407	.01449	.00161	.00300							24
.02401	.01763	.01374	.01365	.28886	.01651	.01269	.01981	.01171	.05695	.01677	.00641							25A
.01148	.00489	.00315	.00829	.01965	.01182	.01274	.00649	.02289	.00831	.00330	.02953							26A
.00061	.00035	.00028	.00041	.00097	.00490	.00064	.00280	.00114	.00112	.00022	.00361							26B
.00504	.00223	.00123	.00221	.00592	.00491	.00712	.00236	.00523	.00319	.00142	.00497							27A
.00042	.00006	.00005	.00014	.00020	.00139	.00014	.00028	.01569	.00050	.00006	.00027							27B
.01304	.00041	.00047	.00172	.00103	.00132	.00146	.00081	.00193	.00132	.00095	.00104							28
.00071	.00034	.00024	.00048	.00074	.00070	.00324	.00078	.00046	.00104	.00032	.00313							28A
.00993	.00466	.00397	.00829	.00896	.01264	.01911	.00836	.00736	.01034	.00970	.03417							28B
.01167	.00730	.00370	.00668	.01322	.01858	.02706	.00572	.01671	.00924	.00328	.01112							30
.00516	.00011	.00027	.00026	.00021	.00015	.00019	.00096	.00021	.00093	.00053	.00009							31
.00094	.00114	.00095	.00150	.00069	.00510	.00621	.00064	.00261	.00217	.00039	.00200							32
.00154	.00100	.00075	.00117	.00143	.00315	.00292	.00132	.00150	.00246	.00076	.01844							33+34
.00560	.00388	.00170	.00379	.00356	.00527	.02353	.00303	.00304	.00416	.00396	.01289							35
.00674	.00612	.00164	.00318	.00315	.00597	.01868	.00320	.00273	.00371	.00332	.01027							36
.00039	.00017	.00011	.00032	.00036	.00711	.00039	.00044	.00059	.00060	.00016	.00048							37
.00152	.00173	.00066	.00092	.00160	.00156	.00396	.00139	.00116	.00281	.00100	.01277							38
.00254	.00213	.00058	.00131	.00096	.00150	.01543	.00102	.00154	.00129	.00151	.00215							39
.00548	.00451	.00186	.00279	.00320	.00369	.01530	.00269	.00282	.00382	.00165	.00821							40
.00043	.00032	.00023	.00080	.00041	.00050	.00490	.00036	.00029	.00036	.00035	.00096							41
.00036	.00023	.00018	.00077	.00035	.00092	.00090	.00045	.00030	.00044	.00023	.00379							42
.00011	.00009	.00008	.00008	.00051	.00011	.00016	.00019	.00009	.00009	.00011	.00015							43
.00083	.00064	.00040	.00208	.00071	.00064	.00194	.00048	.00049	.00060	.00045	.00144							44+45
.00093	.00040	.00030	.00149	.00171	.00106	.00074	.00031	.00044	.00056	.00021	.00052							46
.00129	.00061	.00044	.00203	.00077	.00158	.00376	.00064	.00058	.00079	.00087	.00252							47
.00254	.00151	.00099	.00242	.00200	.00168	.00862	.00134	.00127	.00157	.00300	.01459							48
.00861	.00910	.00569	.00467	.00343	.00138	.00280	.00191	.00398	.00328	.00074	.00176							49
.00454	.00036	.00030	.00077	.00060	.00078	.00776	.00155	.00059	.00108	.00077	.00927							50
.00237	.00362	.00083	.00360	.00171	.00106	.00480	.00099	.00116	.00125	.00063	.00315							51
.00754	.00010	.00007	.00013	.00012	.00016	.00030	.00014	.00013	.00028	.00006	.00100							52
.00105	.00089	.00040	.00078	.00081	.00106	.00404	.00145	.00096	.00163	.00090	.00514							53
.00110	.00232	.00057	.00083	.00111	.00047	.00091	.00112	.00084	.00095	.00024	.00187							54
.01732	.07340	.00502	.01217	.00613	.00259	.00920	.00332	.00561	.00503	.00168	.00339							55
.00141	.00344	.00206	.00168	.00156	.00114	.00684	.00632	.00116	.00156	.00091	.00268							56
.00013	.00009	.00008	.00015	.00012	.00016	.00437	.00013	.00010	.00014	.00060	.00016							57
.00289	.00207	.00185	.00316	.00280	.00370	.01208	.00302	.00228	.00326	.01655	.00345							58
.00033	.00035	.00025	.00040	.00031	.00033	.00088	.00027	.00066	.00032	.00126	.00038							59A
.00019	.00013	.00016	.00102	.00025	.00027	.00033	.00055	.00016	.00022	.00040	.00053							59B
.00195	.00178	.00046	.00104	.00130	.00064	.00183	.00071	.01719	.00169	.00045	.00174							60
.01206	.00225	.00335	.00388	.00524	.00087	.00131	.00140	.00326	.00322	.00058	.00096							61
.01704	.00137	.00201	.00265	.00212	.00278	.00197	.00465	.00154	.00566	.00104	.00234							62
.00299	.00218	.00183	.00281	.00523	.00682	.00475	.00276	.00316	.00323	.00940	.00493							63
.01510	.00704	.00765	.01043	.01961	.02609	.02003	.00977	.01085	.01345	.02734	.02396							64
.00102	.00049	.00047	.00078	.00098	.00202	.00140	.00089	.00079	.00086	.00290	.00432							65A
.00589	.00731	.00567	.00729	.00635	.00684	.00786	.00534	.00551	.00630	.03237	.00482							65B
.00200	.00157	.00139	.00190	.00220	.00281	.00427	.00159	.00166	.00199	.00547	.00332							65C
.02130	.03062	.01950	.01964	.03681	.01224	.01800	.01673	.01550	.01792	.00643	.01594							65D
.00677	.00338	.00170	.00264	.00324	.00730	.00575	.01034	.00225	.00662	.00073	.00200							65E
.01870	.00831	.00655	.00743	.01375	.02923	.01654	.02030	.01176	.01447	.00818	.05151							66
.00971	.00274	.00247	.00372	.00622	.01107	.00889	.00555	.00549	.00686	.00405	.03839							67
.00279	.00068	.00069	.00080	.00119	.00329	.00206	.00186	.00178	.00201	.00278	.01933							68A
.03744	.04878	.01406	.02279	.03991	.08506	.06473	.03120	.03036	.03170	.01550	.03766							68B
.00247	.00137	.00121	.00297	.00235	.00386	.00817	.00275	.00208	.00467	.00115	.01354							68C
.02110	.01911	.01967	.01770	.01917	.02382	.22149	.02087	.01600	.02382	.01292	.02918							69A
.00537	.00280	.00300	.00390	.00564	.00531	.00853	.00433	.00577	.00560	.00322	.00723							69B
.07788	.04982	.07116	.04307	.05268	.07696	.06990	.0											