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Abstract

The Gross Domestic Product (GDP) by industry accounts for the United States provide industry estimates of value added, gross output, and intermediate inputs based, in part, on data from the benchmark and annual input-output (I-O) accounts for the United States. The GDP by industry data provide a decomposition of an industry's gross output into expenditures on primary inputs--that is, value-added inputs--and expenditures on total intermediate inputs. Recently, these data have been widely used in studies of structural change and economic growth in the U.S. economy. This paper extends the information available for such studies by introducing intermediate inputs decomposed into the cost categories of energy, materials, and purchased services using a time-series of I-O "use" tables. It develops a conceptual framework for measuring intermediate-inputs price and quantity growth and then uses this framework to prepare nominal estimates, chain-type price indexes, and chain-type quantity indexes for intermediate inputs by industry and by cost category. It also presents contributions by each cost category to growth in the chain-type price and quantity indexes of gross output. Data are consistent with the published GDP by industry accounts and are presented for the years 1992-2000.

I. Introduction

The Gross Domestic Product (GDP) by industry accounts for the United States are prepared by the Bureau of Economic Analysis (BEA) and identify the contribution of private industries and government to the Nation's GDP.¹ These accounts include annual-industry estimates of value added, gross output, and intermediate inputs based, in part, on data from the

¹ For the published estimates, see Sherlene K.S. Lum, Brian C. Moyer, and Robert E. Yuskavage, "Improved Estimates of Gross Domestic Product by Industry for 1947-98," *Survey of Current Business* 80 (June 2000): 24-54; Sherlene K.S. Lum and Brian C. Moyer, "Gross Domestic Product by Industry for 1997-99," *Survey of Current Business* 80 (December 2000): 24-35; and Sherlene K.S. Lum and Brian C. Moyer, "Gross Domestic Product by Industry for 1998-2000," *Survey of Current Business* 81 (November 2001): 17-33.

benchmark and annual input-output (I-O) accounts. The GDP by industry accounts provide industry estimates on an establishment basis following the Standard Industrial Classification (SIC) System. Nominal, or current-dollar, estimates are provided for the years 1947-2000, and chain-type price and quantity indexes are provided for the years 1977-2000.

Estimates of nominal value added measure the returns to an industry's primary factors of production--labor and capital--and are derived from the estimates of gross domestic income (GDI) developed in the U.S. National Income and Product Accounts (NIPA's). By industry, the components of GDI consist of compensation of employees; property-type income; and indirect business tax and nontax liability. Nominal gross output measures an industry's sales or receipts, other operating income, commodity taxes, and inventory change. Gross-output estimates are derived, in part, from the benchmark and annual I-O accounts. Nominal intermediate-inputs measure an industry's use of secondary factors of production and are also derived, in part, from the benchmark and annual I-O accounts. Along with nominal value added, gross output, and intermediate inputs, BEA also provides the corresponding chain-type price and chain-type quantity indexes. These indexes play a key role in examining inflation-adjusted growth rates among industries.

Recently, there has been increased interest in exploring economic growth, input substitution, and structural change using the GDP by industry accounts (for example, see Jorgenson and Stiroh, 2000; Stiroh, 2001; and Triplett and Bosworth, 2002). Much of this analysis has focused on the relationships among value added, gross output, and intermediate inputs. For example, the substitution between primary factors of production (labor and capital) and secondary factors of production (intermediate inputs--energy, materials, and purchased

services) has become an important issue in production economics. This analysis, however, has been limited because of the lack of consistent data on detailed intermediate inputs by industry. To address this shortcoming requires developing detailed data on inputs for energy, materials, and purchased services--including nominal estimates and chain-type price and quantity indexes.

This paper extends the framework for analyzing structural change and economic growth in the U.S. economy by expanding the GDP by industry accounts to include a decomposition of intermediate inputs into the cost categories of energy, materials, and purchased services. That is, it applies the KLEMS (K-capital, L-labor, E-energy, M-materials, and S-purchased services) production framework at the SIC industry-group level of detail (see Jorgenson, Gollop, and Fraumeni, 1987). The result is a set of estimates for intermediate inputs by cost category that are consistent with the published GDP by industry accounts.²

This paper consists of four sections. The first section develops a conceptual framework to decompose intermediate inputs into the cost categories of energy, materials, and purchased services. Section two discusses data sources and estimating techniques used to prepare the cost-category estimates. Section three presents empirical estimates and uses these estimates to highlight some general themes from the economic growth literature. The fourth and final section provides a summary and offers directions for future research.

² The Bureau of Labor Statistics uses a similar framework in producing its estimates of multifactor productivity. BLS provides these measures for 2-digit and 3-digit SIC manufacturing industries, the railroad transportation industry, and the utility and gas industry. For more information on multifactor productivity estimates, see William Gullickson and Michael J. Harper, "Multifactor Productivity in U.S. Manufacturing, 1949-83," *Monthly Labor Review* (October 1987): 18-28.

Table 1.--Source Data for Estimating Gross Output by Industry

Industry ¹	Current dollars	Quantity Index
	Extrapolator or interpolator of benchmark values ²	Detailed price indexes used to calculate quantity index
Agriculture, forestry, and fishing:		
Farms.....	Cash receipts from marketings and inventory change from USDA.	Prices received by farmers from USDA.
Agricultural services.....	For veterinary services, PCE; for landscape and horticultural services and all other agricultural services, wages and salaries from BLS. Previously, receipts from IRS tabulations of business tax returns.	Composite price index of wages and salaries per employee from BLS, PCE, farm prices, and PPI's.
Forestry.....	Shipments of logging camps and contractors from Census Bureau quinquennial census and annual survey.	PPI's.
Fishing.....	Value of fish landed from NOAA.	IPD for fish landed from NOAA.
Mining:		
Metal mining.....	Physical quantity produced times average price: For uranium, physical quantity and average price from DOE; for all others, quantities and prices from USGS.	IPD for metallic minerals from DOE and USGS.
Coal mining.....	Physical quantity produced times average price, both from DOE.	IPD for coal from DOE.
Oil and gas extraction.....	Physical quantity produced times average price, both from DOE, except natural gas liquids (PPI).	IPD for crude petroleum and natural gas from DOE, except for natural gas liquids (PPI).
Oil and gas field services.....	Petroleum and natural gas well drilling and exploration; Footage drilled and cost per foot from trade source.	IPD for footage drilled from trade source.
Nonmetallic minerals, except fuels.....	Physical quantity produced times average price, both from USGS.	IPD for nonmetallic minerals from USGS.
Construction:		
For the Department of Defense.....	Expenditures from DOD...	For most military construction, BEA indexes based on DOD prices; for other construction, cost indexes from trade sources and government agencies.
For State and local highways.....	Expenditures from Census Bureau annual survey of government spending.	For new construction, cost indexes from government agencies; for maintenance and repair, CPI for home maintenance and repair services.
For private electric and gas utilities.....	Expenditures from Federal regulatory agencies and trade sources.	Cost indexes from trade sources and government agencies.
For farms, excluding residential.....	Expenditures from USDA...	Cost index from trade source and price deflator for new single-family houses under construction from Census Bureau.
For other nonresidential:		
New construction.....	Value put in place from Census Bureau construction survey.	Cost indexes from trade sources and government agencies and price indexes from new single-family houses under construction from Census Bureau.
Maintenance and repair.....	Value put in place from Census Bureau construction survey.	CPI for home maintenance and repair services.
For other residential:		
New construction.....	Value put in place from Census Bureau construction survey.	Price index for new single-family houses under construction from Census Bureau.
Maintenance and repair.....	Value put in place from Census Bureau construction survey.	CPI for home maintenance and repair services.
Manufacturing.....	Shipments and inventory change from Census Bureau annual survey.	PPI's, quality-adjusted price indexes for computers, semiconductors, and digital telephone switching equipment. BEA price indexes based on DOD prices paid for military equipment.
Transportation:		
Railroad transportation:		
Railroad freight transportation.....	Total operating revenue for class I railroads from trade source.	PPI for railroads, line-haul operating starting in 1992. Previously, IPD for freight ton-miles from trade source.
Railroad passenger transportation.....	Total operating revenue for AMTRAK.	PPI for railroads, line-haul operating starting in 1992. Previously, IPD for passenger-miles from trade source.
Local and interurban passenger transit:		
Taxicabs.....	PCE.	PCE price index for taxi fares based on CPI.
Intercity buses.....	Operating revenues from trade source.	IPD for passenger revenue miles from trade source.
School buses.....	Wages and salaries from BLS.	Wages and salaries per employee from BLS.
Other local transit.....	Operating revenues of private local transit systems from trade source.	IPD based on revenues and passenger trips from trade source.
Trucking and warehousing:		
Trucking, and terminal facilities.....	Receipts from Census Bureau annual survey starting in 1984. Previously, operating revenues for Class I motor carriers of property from ICC.	PPI for motor freight transportation and warehousing starting in 1993. Previously, IPD for freight ton-miles from trade source.
Courier services, except by air.....	Receipts from Census Bureau annual survey starting in 1984. Previously, operating revenues for Class I motor carriers of property from ICC.	PPI for courier services, except by air starting in 1993. Previously, IPD for freight ton-miles from trade source.
Public warehousing and storage.....	Receipts from Census Bureau annual survey starting in 1984. Previously, operating revenues for Class I motor carriers of property from ICC.	PPI for public warehousing and storage starting in 1993. Previously, IPD for freight ton-miles from trade source.

Table 1 (continued).--Source Data for Estimating Gross Output by Industry

Industry ¹	Current dollars	Quantity Index
	Extrapolator or interpolator of benchmark values ²	Detailed price indexes used to calculate quantity index
Water transportation:		
Marine cargo handling.....	Wages and salaries from BLS.	PPI for marine cargo handling starting in 1993. Previously, wages and salaries per employee from BLS.
Marinas.....	PCE for commercial participant amusements.	PCE price index for commercial participant amusements.
Other water transportation.....	Freight and passenger revenue data from trade source.	PPI for water transportation starting in 1993. Previously, BEA price index for freight payments for foreign U.S. ocean carriers.
Transportation by air:		
Air passenger transportation	Total passenger related revenues from DOT.	IPD for total passenger related revenues and passenger-miles from DOT.
Air Freight, mail and express.....	Total freight, mail and express revenues from DOT.	IPD for total freight, mail and express related revenues and ton-miles from DOT.
Other air transportation.....	Wages and salaries from BLS.	Wages and salaries per employee from BLS.
Pipelines, except natural gas.....	Operating revenues from trade source.	IPD for ton-miles from trade source.
Transportation services:		
Passenger transportation arrangement.....	Receipts from Census Bureau annual survey.	PPI for travel agencies starting in 1990. Previously, wages and salaries per employee from BLS.
Freight transportation arrangement.....	Wages and salaries from BLS.	PPI for freight transportation arrangement starting in 1995. Previously, wages and salaries per employee from BLS.
Other transportation services.....	Wages and salaries from BLS.	Wages and salaries per employee from BLS.
Communications:		
Radio and television broadcasting.....	Receipts from Census Bureau annual survey starting in 1989. Previously, advertising expenditures from trade source and PCE for cable television.	For advertising, cost indexes from trade source. For cable television, PPI starting in 1993. Previously, PCE price index for cable television based on CPI.
Telephone and telegraph.....	Receipts from Census Bureau annual survey starting in 1989. Previously, revenues from FCC.	For cellular telephone services starting in 1987, PCE price index; for other telephone services, PPI's.
Electric, gas, and sanitary services:		
Electric utilities.....	For private utilities, revenues from DOE/EIA. For rural cooperatives, revenues from USDA.	PPI for electricity, starting in 1991. Previously, IPD for kilowatt hours from trade source.
Gas utilities.....	Quantity delivered times average price by class of service from DOE/EIA starting in 1987. Previously, revenues of gas pipeline and utilities from trade source.	Composite price index for gas utilities by class of service from DOE/EIA, starting in 1987. Previously, IPD for BTU's from trade source.
Sanitary services.....	Receipts from IRS tabulations of business tax returns.	CPI for water and sewerage maintenance.
Wholesale trade:		
Merchant wholesalers.....	Ratio of gross margin to sales (margin rate) times sales: For 1977-82, margin rate from quinquennial census and sales from Census Bureau annual survey; for 1983 forward, both from annual survey.	Sales price index by kind of business computed from PPI's.
Manufacturers' sales branches and sales offices.....	For equipment rental, interpolation of quinquennial census receipts; for 1993 forward, judgmental trend. For other receipts, manufacturing shipments from Census Bureau annual survey.	For equipment rental, BEA capital stock price index. For other receipts, shipments deflated by PPI's.
Agents and brokers.....	Merchant wholesalers margin rate times sales: For 1977-82, margin rate from quinquennial census and sales from Census Bureau annual survey; for 1983 forward, both from annual survey.	Merchant wholesalers' price index.
Retail trade:		
Eating and drinking places.....	Sales from quinquennial census and Census Bureau annual survey.	CPI's.
Other.....	Ratio of gross margin to sales (margin rate) times sales: For 1977-82, margin rate from quinquennial census and sales from Census Bureau annual survey; for 1983 forward, both from annual survey.	Sales price index by kind-of-business computed from CPI's.
Finance, insurance, and real estate:		
Depository institutions.....	NIPA imputed service charges for depository institutions, and noninterest income of commercial banks and savings institutions.	NIPA price index for imputed interest paid by depository institutions and PCE price index for bank service charges.
Nondepository institutions.....	Fees and other income without interest and trading gains of federally sponsored credit institutions, owned and managed receivables of domestic finance companies, and PCE for motor vehicle leasing.	Wages and salaries from BLS and PCE price index for motor vehicle leasing.
Security and commodity brokers.....	Securities commissions, revenue from sale of investment company securities, profits on underwriting/selling/gains on trading accounts and other revenues excluding interest, and revenues earned by exchanges; receipt items from SEC and interest from SEC and BEA.	For securities commissions, IPD from number of public securities orders from SEC and trade sources; for mutual funds, IPD for securities commissions; for underwriting, IPD from new securities registrations from SEC and trade sources; for other revenue, composite of PCE price indexes for other brokerage services starting in 1987. Previously, IPD for GDP.
Insurance carriers.....	Net premiums for health, auto, accident, property, and workers' compensation insurance from trade sources; PCE for expense of handling life insurance.	CPI for auto and property insurance and PCE price indexes for all other types of insurance.

Table 1 (continued).--Source Data for Estimating Gross Output by Industry

Industry ¹	Current dollars	Quantity Index
	Extrapolator or interpolator of benchmark values ²	Detailed price indexes used to calculate quantity index
Insurance agents, brokers, and service.....	Receipts from IRS tabulations of business tax returns.	Insurance carrier deflators weighted by commissions from trade source.
Real estate:		
Nonfarm housing services.....	PCE for owner- and tenant-occupied nonfarm dwellings.	PCE price index.
Other real estate.....	NIPA farm rental, NIPA rent paid by nonprofits, NIPA royalties received, IRS corporate business receipts, and Census annual survey data.	NIPA rental IPD's, rental rate index from trade source, and PPI for property management starting in 1996. Previously, CPI for household maintenance and repair.
Holding and other investment offices.....	Proxy gross output series computed as sum of GPO and intermediate inputs. Intermediate inputs extrapolated from I-O accounts by BEA wages and salaries.	Composite cost-based price index.
Services:		
Hotels and other lodging places.....	For tenant group room and board, PCE. For all other, receipts from Census Bureau quinquennial census and annual survey.	For hotels and motels starting in 1993, PPI. Previously, room-rate index from trade source. For sporting and recreational camps, PCE price index; for rooming and boarding houses, composite of PCE price indexes.
Personal services.....	For shoe repair, PCE. For all other, receipts from Census Bureau quinquennial census and annual survey.	PCE price index based on CPI's.
Business services.....	Receipts from Census Bureau quinquennial census and annual survey.	For advertising, PPI's starting in 1995. Previously, cost indexes from trade sources. For miscellaneous equipment rental and leasing, PPI's and BEA net capital stock price index for other equipment. For prepackaged software, BEA price index; for computer equipment rental, BEA capital stock price index; for custom programming, BEA custom software price index; for other computing services, wages and salaries per employee from BLS; for all other business services, PPI's, PCE price indexes, and wages and salaries per employee from BLS.
Automotive repair, services, and parking.....	Receipts from Census Bureau quinquennial census and annual survey.	For automotive rental and leasing without drivers, composite index of PCE price index and PPI's starting in 1992. Previously, PCE price index for rental, leasing, and other services. For all other automotive repair and services, PCE price index based on CPI's.
Miscellaneous repair services.....	Receipts from Census Bureau quinquennial census and annual survey.	PCE price index based on CPI's.
Motion Pictures.....	Receipts from Census Bureau quinquennial census and annual survey.	PCE price index based on CPI's.
Amusement and recreation services.....	Receipts from Census Bureau quinquennial census and annual survey.	PCE price index based on CPI's.
Health services:		
Hospitals.....	Receipts from trade sources.	PPI starting in 1993. Previously, HCFA index of input prices and CPI for hospital room.
Other health services.....	Receipts from Census Bureau quinquennial census and annual survey.	CPI's and HCFA index of input prices. PPI for physicians services beginning in 1994.
Legal services.....	Receipts from Census Bureau quinquennial census and annual survey.	PPI for legal services, starting in 1997. Previously, CPI for legal services.
Educational services.....	PCE for private education.	PCE price index.
Social services.....	Receipts and expenses from Census Bureau quinquennial census and annual survey.	Wages and salaries per employee from BLS and PCE price indexes.
Membership organizations.....	Expenses from Census Bureau quinquennial census and annual survey; PCE; and wage and salary data from BLS.	Wages and salaries per employee from BLS and PCE price indexes.
Other services.....	PCE for museums and libraries and other services; for all others, receipts from Census Bureau quinquennial census and annual survey.	PPI's for engineering, architectural, and surveying services, and for accounting, auditing, and bookkeeping services starting in 1997. PPI for advertising agencies used for management and public relations services starting in 1995. Previously, wages and salaries per employee from BLS for each component. PCE price indexes for museums, art galleries, zoological gardens, research organizations (commercial and non-commercial), and services not elsewhere classified.
Government enterprises:		
Federal government enterprises:	For the U.S. Postal Service, receipts; for electric utilities, DOE; for other enterprises, wages and salaries from BEA's Government Division.	For U.S. Postal Service and for Federal electric utilities, PPI; for other enterprises, BEA composite price index.
State and local government enterprises:	For electric utilities, DOE; for other enterprises, revenue by type from BEA's Government Division.	For electric utilities, PPI; for transit, composite price index based on PCE price indexes for private transit; for other enterprises, BEA composite price index.

1. Source data and estimating methods apply to both the 1972 SIC and 1987 SIC definition of the industries shown in the table. Industry titles are 1987 SIC titles.

2. Benchmark values are derived from the 1977, 1982, 1987, and 1992 input-output (I-O) accounts. Gross output estimates are prepared only for industries for which the double-deflation method is used for estimating real GPO.

BEA Bureau of Economic Analysis
DOC U.S. Department of Commerce
DOT U.S. Department of Transportation
HCFA Health Care Financing Administration
IRS Internal Revenue Service
PCE Personal consumption expenditures (BEA)
USDA U.S. Department of Agriculture

BLS Bureau of Labor Statistics
DOD U.S. Department of Defense
EIA Energy Information Administration
ICC Interstate Commerce Commission
NIPA National Income and Product Accounts
PPI Producer Price Index (BLS)
USGS U.S. Geological Survey (Office of Minerals, formerly Bureau of Mines)

CPI Consumer Price Index (BLS)
DOE U.S. Department of Energy
FCC Federal Communications Commission
IPD Implicit price deflator
NOAA National Oceanic and Atmospheric Administration
SEC Securities and Exchange Commission

Table 2.--Source Data for Estimating Nominal Value Added by Industry

Component	Major Source Data	Industrial Distribution	
		Distribution available in source data	Data or assumption used if distribution by establishment is not available in source data
Compensation of employees:			
Wages and salaries.....	BLS tabulations of wages and salaries of employees covered by State unemployment insurance and Office of Personnel Management data on wages and salaries of Federal Government employees.	Establishment.	
Employer contributions for social insurance.....	Federal budget data.....	None.....	Social Security Administration and BLS tabulations.
Other labor income.....	Department of Labor tabulations of pension plans, HCFA and BLS data on health insurance, trade association data for other types.	None, except pensions.....	BLS employer cost for employee compensation.
Proprietors' income with inventory valuation adjustment:			
Farm.....	Department of Agriculture farm statistics.....	Establishment.	
Nonfarm:			
Proprietors' income.....	IRS tabulations of business tax returns.....	Company.....	Assumed to be equivalent to an establishment distribution.
Inventory valuation adjustment.....	BLS prices and IRS inventory data.....	Establishment.	
Rental income of persons.....	Census Bureau American Housing Survey, BLS Consumer Expenditures Survey, and IRS tabulations of business and individual tax returns.....	Establishment.	
Corporate profits with inventory valuation adjustment:			
Corporate profits before tax.....	IRS tabulations of business tax returns.....	Company.....	Census Bureau company-establishment employment matrix and Department of Energy establishment data for energy
Inventory valuation adjustment.....	BLS prices and IRS inventory data.....	Establishment.	
Net interest:			
Corporate.....	IRS tabulations of business tax returns.....	Company.....	Same as corporate profits before taxes starting in 1987; previously none.
Noncorporate.....	IRS tabulations of business tax returns.....	Company.....	Assumed to be equivalent to an establishment distribution.
Business transfer payments.....	IRS tabulations of business tax returns.....	Company.....	Industry-specific payments are assigned to those industries; other are based on IRS company industry distribution.
Indirect business tax and nontax liability.....	Federal budget data and Census Bureau data on State and local governments.	None.....	Industry-specific payments are assigned to those industries; property taxes are based on BEA capital stock distribution.
Subsidies less current surplus of government enterprises.....	Federal budget data and Census Bureau data on State and local governments.	Establishment.	
Capital consumption allowances:			
Corporate.....	IRS tabulations of business tax returns.....	Company.....	Same as corporate profits before taxes.
Noncorporate.....	IRS tabulations of business tax returns.....	Company.....	Assumed to be equivalent to an establishment distribution.
Government consumption of fixed capital.....	BEA capital stock estimates.....	Type of agency.	

BEA Bureau of Economic Analysis
BLS Bureau of Labor Statistics

HCFA Health Care Financing Administration
IRS Internal Revenue Service

Table 3. Composition of Nominal Gross Output by Industry Group., 1992-2000
[Billions of dollars]

Industry Group	1992	1993	1994	1995	1996	1997	1998	1999	2000
All Industries	10,679.7	11,296.4	12,020.2	12,815.5	13,570.4	14,465.7	15,141.6	16,018.9	17,244.4
Value Added ¹	6,318.9	6,642.3	7,054.3	7,400.5	7,813.2	8,318.4	8,781.5	9,268.6	9,872.9
Intermediate Inputs.....	4,404.5	4,717.8	5,024.4	5,441.5	5,790.0	6,177.0	6,329.1	6,677.5	7,241.0
Energy.....	268.2	277.6	284.6	294.8	304.6	319.2	312.7	324.1	357.3
Materials.....	2,264.0	2,382.0	2,523.4	2,707.1	2,838.1	3,020.9	3,044.3	3,177.5	3,408.4
Purchased services.....	1,872.2	2,058.2	2,216.4	2,439.6	2,647.3	2,837.0	2,972.0	3,175.9	3,475.4
Private industries	9,728.2	10,305.8	10,992.5	11,752.2	12,470.5	13,322.5	13,955.9	14,779.7	15,936.0
Value Added ¹	5,424.5	5,717.5	6,096.7	6,411.1	6,792.8	7,253.6	7,678.2	8,116.9	8,656.5
Intermediate Inputs.....	4,347.3	4,652.0	4,954.3	5,367.7	5,710.5	6,098.7	6,246.7	6,590.1	7,149.0
Energy.....	255.5	263.3	269.5	279.2	288.3	302.9	296.9	307.4	339.6
Materials.....	2,238.9	2,353.2	2,492.5	2,674.5	2,803.1	2,986.1	3,007.0	3,138.0	3,366.8
Purchased services.....	1,852.9	2,035.5	2,192.3	2,413.9	2,619.2	2,809.8	2,942.8	3,144.7	3,442.6
Private goods-producing industries	3,778.7	3,931.7	4,202.9	4,467.9	4,680.5	4,966.6	5,021.6	5,235.7	5,600.3
Value Added ¹	1,515.7	1,577.0	1,707.3	1,784.9	1,875.9	1,966.7	2,040.6	2,152.9	2,293.0
Intermediate Inputs.....	2,263.0	2,354.7	2,495.7	2,683.1	2,804.6	2,999.9	2,981.0	3,082.8	3,307.2
Energy.....	105.1	104.1	106.4	111.2	111.2	117.3	112.9	115.4	126.1
Materials.....	1,729.8	1,800.4	1,908.6	2,047.7	2,139.4	2,288.2	2,267.8	2,350.3	2,511.1
Purchased services.....	428.0	450.2	480.7	524.1	554.0	594.4	600.4	617.1	670.0
Agriculture, forestry, and fishing.....	231.0	233.4	253.2	250.3	278.4	285.8	279.1	273.0	290.7
Value Added.....	111.7	108.3	118.5	109.8	130.4	130.0	128.0	127.2	135.7
Intermediate Inputs.....	119.4	125.0	134.7	140.4	147.9	155.8	151.1	152.1	155.0
Energy.....	7.5	7.6	7.8	7.9	7.9	8.4	7.8	7.8	8.0
Materials.....	91.0	95.5	102.7	107.1	112.8	118.9	116.0	116.7	118.8
Purchased services.....	20.9	22.0	24.2	25.5	27.2	28.5	27.2	27.6	28.2
Mining.....	159.6	159.7	156.3	156.1	186.6	198.0	165.5	171.2	242.5
Value Added.....	87.6	88.4	90.2	95.7	113.0	118.9	100.2	103.3	127.1
Intermediate Inputs.....	72.0	71.3	66.1	60.4	73.6	79.1	65.2	67.9	115.5
Energy.....	13.2	12.3	12.1	11.5	11.7	12.3	10.8	10.4	12.5
Materials.....	37.1	37.2	34.4	31.4	39.0	42.0	33.8	35.4	61.4
Purchased services.....	21.6	21.8	19.6	17.5	22.8	24.7	20.6	22.1	41.5
Construction.....	431.7	455.8	491.7	514.1	554.5	603.0	633.8	689.2	731.7
Value Added.....	234.4	248.9	275.3	290.3	316.4	338.2	380.8	425.5	463.6
Intermediate Inputs.....	197.3	206.8	216.4	223.8	238.0	264.8	252.9	263.6	268.1
Energy.....	1.8	1.9	1.9	1.9	1.9	2.1	1.6	1.7	1.7
Materials.....	150.0	157.8	165.6	171.8	183.4	204.0	194.1	202.3	205.7
Purchased services.....	45.4	47.2	48.9	50.1	52.8	58.7	57.2	59.6	60.6
Manufacturing.....	2,956.3	3,082.9	3,301.7	3,547.5	3,661.1	3,879.8	3,943.3	4,095.9	4,335.3
Value Added.....	1,082.0	1,131.4	1,223.2	1,289.1	1,316.0	1,379.6	1,431.5	1,496.8	1,566.6
Intermediate Inputs.....	1,874.3	1,951.5	2,078.4	2,258.4	2,345.0	2,500.2	2,511.8	2,599.1	2,768.7
Energy.....	82.6	82.3	84.6	90.0	89.6	94.5	92.6	95.5	103.9
Materials.....	1,451.6	1,509.9	1,605.9	1,737.4	1,804.3	1,923.4	1,923.8	1,995.8	2,125.2
Purchased services.....	340.1	359.3	388.0	431.0	451.2	482.4	495.4	507.8	539.7
Durable goods.....	1,508.2	1,604.1	1,761.9	1,899.5	1,973.7	2,109.3	2,188.1	2,283.9	2,391.3
Value Added.....	594.0	632.8	694.1	729.8	748.4	791.2	830.7	865.7	901.7
Intermediate Inputs.....	914.3	971.3	1,067.8	1,169.7	1,225.2	1,318.1	1,357.4	1,418.2	1,489.6
Energy.....	35.4	36.1	38.1	40.4	40.5	43.1	44.1	44.7	46.7
Materials.....	710.4	753.0	825.9	900.2	941.4	1,014.2	1,046.1	1,096.8	1,148.3
Purchased services.....	168.4	182.1	203.7	229.1	243.3	260.8	267.2	276.7	294.7
Nondurable goods.....	1,448.1	1,478.8	1,539.8	1,648.0	1,687.4	1,770.6	1,755.2	1,812.0	1,944.0
Value Added.....	488.0	498.6	529.1	559.2	567.6	588.4	600.8	631.0	664.8
Intermediate Inputs.....	960.1	980.2	1,010.7	1,088.7	1,119.8	1,182.2	1,154.4	1,181.0	1,279.1
Energy.....	47.2	46.2	46.5	49.7	49.1	51.4	48.5	50.8	57.2
Materials.....	741.2	756.9	780.0	837.2	862.9	909.2	877.8	899.0	976.9
Purchased services.....	171.6	177.1	184.2	201.9	207.9	221.6	228.1	231.2	245.0
Private services-producing industries	5,949.5	6,374.1	6,789.6	7,284.3	7,789.9	8,355.9	8,934.3	9,544.0	10,335.7
Value Added.....	3,865.1	4,076.7	4,331.0	4,599.7	4,884.0	5,257.1	5,668.6	6,036.7	6,493.9
Intermediate Inputs.....	2,084.4	2,297.3	2,458.6	2,684.6	2,905.9	3,098.8	3,265.7	3,507.3	3,841.8
Energy.....	150.3	159.2	163.1	168.0	177.1	185.6	184.0	192.0	213.5
Materials.....	509.2	552.8	583.9	626.8	663.7	697.8	739.2	787.8	855.7
Purchased services.....	1,424.9	1,585.3	1,711.6	1,889.9	2,065.2	2,215.4	2,342.4	2,527.5	2,772.6

Table 3 (continued).--Composition of Nominal Gross Output by Industry Group, 1992-2000
[Billions of dollars]

Industry Group	1992	1993	1994	1995	1996	1997	1998	1999	2000
Transportation and public utilities.....	929.0	980.2	1,033.2	1,087.6	1,162.9	1,232.4	1,306.5	1,388.8	1,509.7
Value Added.....	538.5	573.3	611.4	642.6	666.3	688.4	732.0	776.8	825.0
Intermediate Inputs.....	390.5	406.9	421.8	445.0	496.5	544.0	574.5	612.0	684.7
Energy.....	71.2	73.2	71.7	69.9	75.2	80.2	77.0	76.2	88.0
Materials.....	96.6	101.0	101.7	103.3	114.7	126.1	138.2	141.5	160.9
Purchased services.....	222.7	232.7	248.4	271.8	306.6	337.7	359.3	394.3	435.8
Transportation.....	381.1	400.3	428.0	453.8	477.9	508.8	541.8	574.8	617.0
Value Added.....	193.4	206.0	223.2	233.4	243.4	261.8	288.7	302.7	313.9
Intermediate Inputs.....	187.7	194.3	204.8	220.4	234.5	247.1	253.1	272.1	303.1
Energy.....	32.8	33.1	33.9	35.3	36.7	38.5	34.9	37.2	41.5
Materials.....	24.0	24.4	25.6	27.4	28.3	29.6	33.7	36.1	40.0
Purchased services.....	130.9	136.8	145.3	157.7	169.4	179.0	184.5	198.7	221.6
Communications.....	250.3	266.3	287.4	314.6	348.7	379.6	422.3	473.2	511.9
Value Added.....	163.9	178.6	190.7	202.3	214.7	220.8	238.5	258.5	281.1
Intermediate Inputs.....	86.4	87.7	96.7	112.3	134.1	158.8	183.8	214.6	230.8
Energy.....	1.2	1.2	1.3	1.5	1.7	2.0	2.3	2.7	2.9
Materials.....	18.2	18.8	20.9	24.8	28.7	34.3	41.3	47.9	51.6
Purchased services.....	67.0	67.7	74.5	86.0	103.7	122.6	140.2	164.1	176.3
Electric, gas, and sanitary services.....	297.6	313.6	317.8	319.2	336.2	343.9	342.4	340.8	380.8
Value Added.....	181.2	188.7	197.4	206.9	208.3	205.9	204.8	215.6	230.0
Intermediate Inputs.....	116.4	124.9	120.3	112.3	128.0	138.1	137.6	125.3	150.8
Energy.....	37.2	38.9	36.5	33.2	36.8	39.7	39.8	36.3	43.6
Materials.....	54.4	57.9	55.2	51.1	57.7	62.2	63.2	57.5	69.3
Purchased services.....	24.9	28.2	28.6	28.0	33.5	36.1	34.6	31.5	37.9
Wholesale trade.....	593.6	639.8	701.1	768.4	789.8	828.0	844.3	907.1	979.8
Value Added.....	414.6	432.5	479.2	500.6	529.6	566.8	607.9	633.5	674.1
Intermediate Inputs.....	179.0	207.3	221.9	267.7	260.2	261.1	236.4	273.5	305.6
Energy.....	11.4	12.8	13.1	15.2	14.2	14.3	11.9	13.7	15.3
Materials.....	49.1	56.3	59.8	71.5	68.8	69.1	60.1	69.5	77.6
Purchased services.....	118.4	138.2	149.0	181.0	177.2	177.8	164.5	190.3	212.7
Retail trade.....	846.6	906.9	974.8	1,021.7	1,070.9	1,118.3	1,184.2	1,272.0	1,366.2
Value Added.....	551.7	578.0	620.6	646.8	687.1	740.5	790.4	834.9	893.9
Intermediate Inputs.....	294.8	328.9	354.3	374.9	383.8	377.8	393.9	437.0	472.4
Energy.....	24.3	26.6	28.0	29.0	29.0	28.5	29.3	32.5	35.2
Materials.....	109.2	120.3	128.0	133.8	135.2	133.1	138.7	153.9	166.3
Purchased services.....	161.3	182.0	198.3	212.1	219.6	216.2	225.9	250.6	270.9
Finance, insurance and real estate.....	1,679.3	1,829.7	1,927.3	2,075.5	2,247.1	2,470.3	2,637.3	2,789.5	3,017.6
Value Added.....	1,140.9	1,205.3	1,254.8	1,347.2	1,436.8	1,569.9	1,708.5	1,810.6	1,936.2
Intermediate Inputs.....	538.4	624.4	672.4	728.2	810.4	900.4	928.8	978.9	1,081.3
Energy.....	15.0	15.9	16.7	16.8	18.5	20.0	18.8	19.8	21.4
Materials.....	62.3	70.6	74.7	76.7	83.8	92.0	91.0	93.8	97.6
Purchased services.....	461.1	537.9	581.0	634.7	708.1	788.5	819.0	865.4	962.4
Services.....	1,901.1	2,017.4	2,153.3	2,331.2	2,519.3	2,706.9	2,962.0	3,186.7	3,462.4
Value Added.....	1,219.4	1,287.7	1,365.0	1,462.4	1,564.2	1,691.5	1,829.9	1,980.9	2,164.6
Intermediate Inputs.....	681.7	729.8	788.3	868.8	955.0	1,015.5	1,132.1	1,205.8	1,297.8
Energy.....	28.5	30.8	33.5	37.0	40.2	42.7	47.0	49.8	53.6
Materials.....	191.9	204.5	219.8	241.6	261.1	277.6	311.3	329.1	353.3
Purchased services.....	461.3	494.4	535.0	590.2	653.7	695.2	773.7	826.9	890.9
Government	951.5	990.6	1,027.6	1,063.3	1,099.9	1,143.1	1,185.7	1,239.2	1,308.4
Value Added.....	894.4	924.8	957.6	989.5	1,020.4	1,064.8	1,103.3	1,151.7	1,216.4
Intermediate Inputs.....	57.1	65.8	70.0	73.8	79.5	78.3	82.4	87.5	92.0
Energy.....	12.8	14.3	15.1	15.6	16.3	16.3	15.9	16.8	17.7
Materials.....	25.1	28.7	30.9	32.6	35.0	34.8	37.3	39.4	41.5
Purchased services.....	19.3	22.8	24.1	25.6	28.2	27.2	29.2	31.3	32.8

1. Includes the statistical discrepancy. The statistical discrepancy equals gross domestic product measured as the sum of expenditures less gross domestic income.

**Table 4.--Shares of Nominal Gross Output by Industry Group, 1992-2000
[Percent]**

Industry Group	1992	1993	1994	1995	1996	1997	1998	1999	2000	Difference in Shares, 2000-1992
All Industries	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added ¹	59.2	58.8	58.7	57.7	57.6	57.5	58.0	57.9	57.3	-1.9
Intermediate Inputs.....	41.2	41.8	41.8	42.5	42.7	42.7	41.8	41.7	42.0	0.7
Energy.....	2.5	2.5	2.4	2.3	2.2	2.2	2.1	2.0	2.1	-0.4
Materials.....	21.2	21.1	21.0	21.1	20.9	20.9	20.1	19.8	19.8	-1.4
Purchased services.....	17.5	18.2	18.4	19.0	19.5	19.6	19.6	19.8	20.2	2.6
Private industries	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added ¹	55.8	55.5	55.5	54.6	54.5	54.4	55.0	54.9	54.3	-1.4
Intermediate Inputs.....	44.7	45.1	45.1	45.7	45.8	45.8	44.8	44.6	44.9	0.2
Energy.....	2.6	2.6	2.5	2.4	2.3	2.3	2.1	2.1	2.1	-0.5
Materials.....	23.0	22.8	22.7	22.8	22.5	22.4	21.5	21.2	21.1	-1.9
Purchased services.....	19.0	19.8	19.9	20.5	21.0	21.1	21.1	21.3	21.6	2.6
Private goods-producing industries	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	40.1	40.1	40.6	39.9	40.1	39.6	40.6	41.1	40.9	0.8
Intermediate Inputs.....	59.9	59.9	59.4	60.1	59.9	60.4	59.4	58.9	59.1	-0.8
Energy.....	2.8	2.6	2.5	2.5	2.4	2.4	2.2	2.2	2.3	-0.5
Materials.....	45.8	45.8	45.4	45.8	45.7	46.1	45.2	44.9	44.8	-0.9
Purchased services.....	11.3	11.4	11.4	11.7	11.8	12.0	12.0	11.8	12.0	0.6
Agriculture, forestry, and fishing.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	48.3	46.4	46.8	43.9	46.9	45.5	45.9	45.5	46.7	-1.6
Intermediate Inputs.....	51.7	53.6	53.2	56.1	53.1	54.5	54.1	54.5	53.3	1.6
Energy.....	3.2	3.2	3.1	3.1	2.9	2.9	2.8	2.8	2.7	-0.5
Materials.....	39.4	40.9	40.6	42.8	40.5	41.6	41.6	41.8	40.9	1.5
Purchased services.....	9.1	9.4	9.6	10.2	9.8	10.0	9.8	9.9	9.7	0.6
Mining.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	54.9	55.3	57.7	61.3	60.6	60.1	60.6	60.3	52.4	-2.5
Intermediate Inputs.....	45.1	44.7	42.3	38.7	39.4	39.9	39.4	39.7	47.6	2.5
Energy.....	8.3	7.7	7.8	7.4	6.3	6.2	6.5	6.1	5.2	-3.1
Materials.....	23.3	23.3	22.0	20.1	20.9	21.2	20.4	20.7	25.3	2.1
Purchased services.....	13.5	13.6	12.5	11.2	12.2	12.5	12.5	12.9	17.1	3.6
Construction.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	54.3	54.6	56.0	56.5	57.1	56.1	60.1	61.7	63.4	9.1
Intermediate Inputs.....	45.7	45.4	44.0	43.5	42.9	43.9	39.9	38.3	36.6	-9.1
Energy.....	0.4	0.4	0.4	0.4	0.3	0.4	0.3	0.2	0.2	-0.2
Materials.....	34.8	34.6	33.7	33.4	33.1	33.8	30.6	29.4	28.1	-6.6
Purchased services.....	10.5	10.4	9.9	9.7	9.5	9.7	9.0	8.7	8.3	-2.2
Manufacturing	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	36.6	36.7	37.0	36.3	35.9	35.6	36.3	36.5	36.1	-0.5
Intermediate Inputs	63.4	63.3	63.0	63.7	64.1	64.4	63.7	63.5	63.9	0.5
Energy.....	2.8	2.7	2.6	2.5	2.4	2.4	2.3	2.3	2.4	-0.4
Materials.....	49.1	49.0	48.6	49.0	49.3	49.6	48.8	48.7	49.0	-0.1
Purchased services.....	11.5	11.7	11.8	12.1	12.3	12.4	12.6	12.4	12.4	0.9
Durable goods.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	39.4	39.5	39.4	38.4	37.9	37.5	38.0	37.9	37.7	-1.7
Intermediate Inputs.....	60.6	60.5	60.6	61.6	62.1	62.5	62.0	62.1	62.3	1.7
Energy.....	2.4	2.3	2.2	2.1	2.1	2.0	2.0	2.0	2.0	-0.4
Materials.....	47.1	46.9	46.9	47.4	47.7	48.1	47.8	48.0	48.0	0.9
Purchased services.....	11.2	11.4	11.6	12.1	12.3	12.4	12.2	12.1	12.3	1.2
Nondurable goods.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	33.7	33.7	34.4	33.9	33.6	33.2	34.2	34.8	34.2	0.5
Intermediate Inputs.....	66.3	66.3	65.6	66.1	66.4	66.8	65.8	65.2	65.8	-0.5
Energy.....	3.3	3.1	3.0	3.0	2.9	2.9	2.8	2.8	2.9	-0.3
Materials.....	51.2	51.2	50.7	50.8	51.1	51.3	50.0	49.6	50.3	-0.9
Purchased services.....	11.9	12.0	12.0	12.3	12.3	12.5	13.0	12.8	12.6	0.8
Private services-producing industries	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	65.0	64.0	63.8	63.1	62.7	62.9	63.4	63.3	62.8	-2.1
Intermediate Inputs.....	35.0	36.0	36.2	36.9	37.3	37.1	36.6	36.7	37.2	2.1
Energy.....	2.5	2.5	2.4	2.3	2.3	2.2	2.1	2.0	2.1	-0.5
Materials.....	8.6	8.7	8.6	8.6	8.5	8.4	8.3	8.3	8.3	-0.3
Purchased services.....	23.9	24.9	25.2	25.9	26.5	26.5	26.2	26.5	26.8	2.9

**Table 4 (continued).--Shares of Nominal Gross Output by Industry Group, 1992-2000
[Percent]**

Industry Group	1992	1993	1994	1995	1996	1997	1998	1999	2000	Difference in Shares, 2000-1992
Transportation and public utilities.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	58.0	58.5	59.2	59.1	57.3	55.9	56.0	55.9	54.6	-3.3
Intermediate Inputs.....	42.0	41.5	40.8	40.9	42.7	44.1	44.0	44.1	45.4	3.3
Energy.....	7.7	7.5	6.9	6.4	6.5	6.5	5.9	5.5	5.8	-1.8
Materials.....	10.4	10.3	9.8	9.5	9.9	10.2	10.6	10.2	10.7	0.3
Purchased services.....	24.0	23.7	24.0	25.0	26.4	27.4	27.5	28.4	28.9	4.9
Transportation.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	50.8	51.5	52.1	51.4	50.9	51.4	53.3	52.7	50.9	0.1
Intermediate Inputs.....	49.2	48.5	47.9	48.6	49.1	48.6	46.7	47.3	49.1	-0.1
Energy.....	8.6	8.3	7.9	7.8	7.7	7.6	6.4	6.5	6.7	-1.9
Materials.....	6.3	6.1	6.0	6.0	5.9	5.8	6.2	6.3	6.5	0.2
Purchased services.....	34.3	34.2	34.0	34.8	35.5	35.2	34.1	34.6	35.9	1.6
Communications.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	65.5	67.1	66.4	64.3	61.6	58.2	56.5	54.6	54.9	-10.6
Intermediate Inputs.....	34.5	32.9	33.6	35.7	38.4	41.8	43.5	45.4	45.1	10.6
Energy.....	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.1
Materials.....	7.3	7.1	7.3	7.9	8.2	9.0	9.8	10.1	10.1	2.8
Purchased services.....	26.8	25.4	25.9	27.3	29.7	32.3	33.2	34.7	34.4	7.7
Electric, gas, and sanitary services.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	60.9	60.2	62.1	64.8	61.9	59.9	59.8	63.2	60.4	-0.5
Intermediate Inputs.....	39.1	39.8	37.9	35.2	38.1	40.1	40.2	36.8	39.6	0.5
Energy.....	12.5	12.4	11.5	10.4	10.9	11.5	11.6	10.6	11.5	-1.0
Materials.....	18.3	18.4	17.4	16.0	17.2	18.1	18.5	16.9	18.2	-0.1
Purchased services.....	8.4	9.0	9.0	8.8	10.0	10.5	10.1	9.2	9.9	1.6
Wholesale trade.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	69.9	67.6	68.3	65.2	67.1	68.5	72.0	69.8	68.8	-1.0
Intermediate Inputs.....	30.1	32.4	31.7	34.8	32.9	31.5	28.0	30.2	31.2	1.0
Energy.....	1.9	2.0	1.9	2.0	1.8	1.7	1.4	1.5	1.6	-0.4
Materials.....	8.3	8.8	8.5	9.3	8.7	8.3	7.1	7.7	7.9	-0.3
Purchased services.....	20.0	21.6	21.3	23.6	22.4	21.5	19.5	21.0	21.7	1.8
Retail trade.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	65.2	63.7	63.7	63.3	64.2	66.2	66.7	65.6	65.4	0.3
Intermediate Inputs.....	34.8	36.3	36.3	36.7	35.8	33.8	33.3	34.4	34.6	-0.3
Energy.....	2.9	2.9	2.9	2.8	2.7	2.5	2.5	2.6	2.6	-0.3
Materials.....	12.9	13.3	13.1	13.1	12.6	11.9	11.7	12.1	12.2	-0.7
Purchased services.....	19.1	20.1	20.3	20.8	20.5	19.3	19.1	19.7	19.8	0.8
Finance, insurance and real estate.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	67.9	65.9	65.1	64.9	63.9	63.6	64.8	64.9	64.2	-3.8
Intermediate Inputs.....	32.1	34.1	34.9	35.1	36.1	36.4	35.2	35.1	35.8	3.8
Energy.....	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7	-0.2
Materials.....	3.7	3.9	3.9	3.7	3.7	3.7	3.4	3.4	3.2	-0.5
Purchased services.....	27.5	29.4	30.1	30.6	31.5	31.9	31.1	31.0	31.9	4.4
Services.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	64.1	63.8	63.4	62.7	62.1	62.5	61.8	62.2	62.5	-1.6
Intermediate Inputs.....	35.9	36.2	36.6	37.3	37.9	37.5	38.2	37.8	37.5	1.6
Energy.....	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.5	0.1
Materials.....	10.1	10.1	10.2	10.4	10.4	10.3	10.5	10.3	10.2	0.1
Purchased services.....	24.3	24.5	24.8	25.3	25.9	25.7	26.1	25.9	25.7	1.5
Government.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Value Added.....	94.0	93.4	93.2	93.1	92.8	93.1	93.1	92.9	93.0	-1.0
Intermediate Inputs.....	6.0	6.6	6.8	6.9	7.2	6.9	6.9	7.1	7.0	1.0
Energy.....	1.3	1.4	1.5	1.5	1.5	1.4	1.3	1.4	1.3	0.0
Materials.....	2.6	2.9	3.0	3.1	3.2	3.0	3.1	3.2	3.2	0.5
Purchased services.....	2.0	2.3	2.3	2.4	2.6	2.4	2.5	2.5	2.5	0.5

1. Shares may not sum to 100 percent for "All Industries" and "Private Industries" because value added's share for these industry groups includes the statistical discrepancy.