

# News

United States  
Department  
of Labor



Bureau of Labor Statistics

Washington, D.C. 20212

FOR DATA ONLY: (202) 691-5200

USDL 09-0034

FOR TECHNICAL INFORMATION:  
(202) 691-7705

TRANSMISSION OF MATERIAL IN  
THIS RELEASE IS EMBARGOED

MEDIA CONTACT: (202) 691-5902

UNTIL 8:30 A.M. (EST), THURSDAY

<http://www.bls.gov/ppi>

JANUARY 15, 2009

## Producer Price Indexes – December 2008

The Producer Price Index for Finished Goods fell 1.9 percent in December, seasonally adjusted, the Bureau of Labor Statistics of the U.S. Department of Labor reported today. This decrease followed a 2.2-percent decline in November and a 2.8-percent drop in October. At the earlier stages of processing, prices received by producers of intermediate goods fell 4.2 percent in December after decreasing 4.3 percent in the prior month, and the crude goods index declined 5.3 percent following a 12.5-percent drop in November. (See table A.)

**Table A. Monthly and annual percent changes in selected stage-of-processing price indexes, seasonally adjusted**

Month	Finished goods					Intermediate goods	Crude goods
	Total	Foods	Energy	Except foods and energy	Change in finished goods from 12 months ago (unadj.)		
<b>2007</b>							
Dec.....	-0.5	1.3	-3.5	0.1	6.2	0.2	1.8
<b>2008</b>							
Jan.....	1.2	1.7	2.2	0.6	7.4	1.2	2.9
Feb.....	0.3	-0.6	1.0	0.4	6.5	0.9	3.9
Mar.....	0.9	1.4	2.5	0.1	6.7	2.4	6.7
Apr.....	0.3	0.0	-0.1	0.5	6.4	1.0	4.7
May.....	1.4	0.6	5.3	0.2	7.3	2.7	6.1
June.....	1.7	1.5	5.6	0.2	9.1	2.2	2.8
July.....	1.2	0.3	3.4	0.6	9.9	2.7	4.0
Aug. <sup>1</sup> .....	-0.9	0.3	-4.8	0.5	9.7	-1.5	-12.3
Sept. <sup>1</sup> .....	-0.4	0.2	-3.0	0.4	8.7	-0.9	-6.0
Oct.....	-2.8	-0.2	-12.8	0.4	5.2	-3.9	-18.6
Nov.....	-2.2	0.0	-11.2	0.1	0.4	-4.3	-12.5
Dec.....	-1.9	-1.5	-9.3	0.2	-0.9	-4.2	-5.3

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for August 2008 have been revised to reflect the availability of late reports and corrections by respondents.

The slower rate of decrease in finished goods prices was led by the index for energy goods, which fell 9.3 percent in December after declining 11.2 percent in November. Prices for finished goods other than foods and energy rose 0.2 percent in December compared with a 0.1-percent increase in the preceding month. By contrast, partially offsetting the slower rate of decline in the finished goods index, prices for consumer foods moved down 1.5 percent following no change in November.

Before seasonal adjustment, the Producer Price Index for Finished Goods decreased 1.9 percent in December to 168.8 (1982 = 100). In 2008, finished goods prices fell 0.9 percent compared with a 6.2-percent advance in 2007. The 2008 downturn is mostly attributable to energy prices, which dropped 20.3 percent after rising 17.8 percent a year earlier. Price increases for finished consumer foods slowed to 3.7 percent in 2008 from 7.6 percent in 2007. Conversely, the index for finished goods other than foods and energy advanced 4.3 percent in 2008 following a 2.0-percent gain in the preceding year. At the earlier stages of processing, prices received by manufacturers of intermediate goods fell 1.7 percent in 2008 after rising 7.1 percent in the prior year, and the crude goods index dropped 25.0 percent following a 19.8-percent jump in 2007. (See summary table.)

**Summary of December-to-December and 3-month seasonally adjusted annual rates of change in price indexes for selected stages of processing**

Grouping	Percentage change 12 months ended December			Seasonally adjusted annual rate for 3 months ended			
	2006	2007	2008	Mar. 2008	June 2008	Sept. 2008	Dec. 2008
Finished goods.....	1.1	6.2	-0.9	10.2	14.6	-0.4	-24.3
Finished consumer foods.....	1.7	7.6	3.7	10.4	8.9	3.4	-6.4
Finished energy goods.....	-2.0	17.8	-20.3	25.7	52.5	-17.2	-75.7
Finished goods less foods and energy.....	2.0	2.0	4.3	4.5	3.9	5.9	2.9
Finished consumer goods less foods and energy.....	1.8	2.4	4.5	5.0	4.2	6.1	2.9
Capital equipment.....	2.3	1.4	4.0	3.5	4.0	5.6	2.9
Intermediate materials, supplies, and components.....	2.8	7.1	-1.7	19.3	26.7	1.2	-39.7
Intermediate foods and feeds.....	4.7	17.2	3.4	42.2	13.5	12.6	-37.1
Intermediate energy goods.....	-3.3	19.8	-19.8	42.6	54.9	-27.9	-74.7
Intermediate materials less foods and energy.....	4.5	3.3	3.2	11.7	19.5	12.8	-24.6
Materials for nondurable manufacturing.....	1.2	12.8	-3.6	24.1	37.4	28.3	-60.5
Materials for durable manufacturing.....	12.5	1.7	-5.5	27.8	33.8	-4.0	-51.4
Materials and components for construction.....	4.3	2.0	7.3	7.2	20.0	16.4	-11.4
Crude materials for further processing.....	-4.7	19.8	-25.0	69.0	70.1	-46.2	-79.4
Foodstuffs and feedstuffs.....	2.8	24.9	-14.3	28.6	13.3	-21.1	-52.1
Crude energy materials.....	-15.7	16.2	-33.5	114.6	129.9	-63.2	-89.2
Crude nonfood materials less energy.....	17.0	15.6	-24.3	60.3	60.8	-27.8	-82.5

"-" Data not available.

NOTE: Late reports and corrections by respondents may cause some indexes to change 4 months after original publication. In addition, seasonally adjusted indexes may be revised for 5 years, due to the recalculation of seasonal factors each January.

## Finished goods

The index for finished energy goods fell 9.3 percent in December after decreasing 11.2 percent in November. Prices for liquefied petroleum gas moved down 21.8 percent in December following a 33.4-percent drop a month earlier. The index for residential natural gas also declined less than it had in November, and prices for finished lubricants turned up in December. By contrast, partially counteracting the slower rate of decrease in the index for finished energy goods, prices for residential electric power increased 0.3 percent compared with a 1.4-percent advance in November. The indexes for kerosene, home heating oil, and diesel fuel fell more than in the prior month. Gasoline prices decreased 25.7 percent for the second consecutive month. (See table 2.)

The index for finished goods other than foods and energy increased 0.2 percent in December after edging up 0.1 percent in November. In December, higher prices for passenger cars, pharmaceutical preparations, light motor trucks, and civilian aircraft outweighed lower prices for consumer plastic products; storage units, files, and tables; alcoholic beverages; and power and distribution transformers.

The index for finished consumer foods declined 1.5 percent in December after no change in November. Prices for fresh and dry vegetables dropped 14.9 percent compared with a 3.8-percent rise in the preceding month. The indexes for beef and veal, packaged fluid milk, and canned fruits and juices also turned down in December. Prices for citrus fruits increased less than in November, and the index for chewing gum was unchanged after rising in the previous month. By contrast, prices for natural cheese (except cottage) advanced 3.4 percent in December following a 5.0-percent decline in the prior month. The index for noncarbonated soft drinks also turned up after decreasing a month earlier. Prices for pork and eggs for fresh use fell less than they had in November.

**Table B. Monthly and annual percent changes in selected price indexes for intermediate goods and crude goods, seasonally adjusted**

Month	Intermediate goods				Crude goods			
	Foods	Energy	Except foods and energy	Change in intermediate goods from 12 months ago (unadj.)	Foods	Energy	Except foods and energy	Change in crude goods from 12 months ago (unadj.)
<b>2007</b>								
Dec.....	2.0	0.1	0.1	7.1	4.2	0.5	0.8	19.8
<b>2008</b>								
Jan.....	3.5	1.9	0.9	8.9	3.1	1.8	4.7	30.8
Feb.....	2.4	1.2	0.6	9.0	1.2	6.6	3.6	24.6
Mar.....	3.0	6.0	1.3	10.7	2.2	11.5	3.7	29.7
Apr.....	0.2	0.1	1.4	10.8	-0.5	6.3	10.1	34.5
May.....	1.9	6.3	1.7	12.7	0.9	11.7	1.7	40.9
June.....	1.1	4.8	1.4	14.7	2.7	3.8	0.5	43.6
July.....	4.6	4.6	2.0	17.0	0.3	6.6	3.4	49.0
Aug. <sup>1</sup> .....	-0.6	-8.0	0.6	16.3	-4.8	-20.4	-2.8	35.4
Sept. <sup>1</sup> .....	-1.0	-4.3	0.4	15.4	-1.3	-8.2	-8.2	26.0
Oct.....	-5.5	-10.6	-1.7	10.2	-11.1	-24.9	-17.0	-1.4
Nov.....	-2.4	-12.3	-2.3	2.6	-1.2	-18.7	-20.4	-19.4
Dec.....	-3.4	-9.5	-3.0	-1.7	-5.3	-6.0	-2.2	-25.0

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for August 2008 have been revised to reflect the availability of late reports and corrections by respondents.

## **Intermediate goods**

Following a 4.3-percent drop in November, the Producer Price Index for Intermediate Materials, Supplies, and Components fell 4.2 percent in December. This decrease was broad based, with prices for energy goods, materials for both nondurable and durable manufacturing, materials and components for construction, and foods and feeds all declining in December. The index for intermediate goods excluding foods and energy posted a record decline for the third straight month in December — 3.0 percent. This index fell 2.3 percent in November and 1.7 percent in October. (See table B.)

The index for intermediate energy goods decreased 9.5 percent in December following a 12.3-percent drop in November. Price declines for utility natural gas slowed in December to 1.6 percent from 4.9 percent in the prior month. The indexes for residual fuel and liquefied petroleum gas also fell less than they had in November. Prices for industrial electric power and finished lubricants turned up in December. By contrast, partially offsetting the slower rate of decrease in the intermediate energy goods index, jet fuel prices declined 16.8 percent after moving down 11.6 percent in November. The indexes for diesel fuel and kerosene also fell more in December than they had in the previous month. Prices for commercial electric power rose less than in November. (See table 2.) The index for intermediate energy goods decreased 19.8 percent in 2008 after increasing at the same rate in 2007.

The index for materials for nondurable manufacturing dropped 9.1 percent in December following an 8.5-percent decline in November. In December, lower prices for basic organic chemicals, plastic resins and materials, phosphates, rubber and rubber products, inedible fats and oils, processed yarns and threads, and surface active agents outweighed higher prices for basic inorganic chemicals and knit gray fabrics. The index for materials for nondurable manufacturing decreased 3.6 percent in 2008 after climbing 12.8 percent in 2007.

The index for materials for durable manufacturing fell 7.2 percent in December following a 6.2-percent decline in November. Prices for cold rolled steel sheet and strip dropped 16.6 percent in December after moving down 5.4 percent a month earlier. The indexes for hot rolled steel sheet and strip, plastic resins and materials, basic organic chemicals, semifinished steel mill products, and cold finished steel bars also decreased more than they had in November. Conversely, price declines for nonferrous wire and cable slowed to 2.9 percent in December from 10.8 percent in the preceding month. The indexes for primary nonferrous metals; hot rolled steel bars, plates, and structural shapes; and copper and brass mill shapes also fell less than they had in November. Prices for materials for durable manufacturing decreased 5.5 percent in 2008 following a 1.7-percent advance in 2007.

The index for materials and components for construction declined 1.2 percent in December after decreasing 1.1 percent in November. In December, lower prices for steel mill products, paving mixtures and blocks, plastic construction products, nonferrous wire and cable, fabricated structural metal, prefabricated wood buildings and components, and sheet metal products outweighed higher prices for architectural coatings and millwork. The index for materials and components for construction rose 7.3 percent in 2008 following a 2.0-percent increase in 2007.

Prices for intermediate foods and feeds fell 3.4 percent in December after declining 2.4 percent in November. The index for corn, cottonseed, and soybean cake and meal decreased 1.8 percent following a 9.1-percent advance in November. Prices for beef and veal and for packaged fluid milk and related products also turned down in December. The indexes for processed eggs, bulk fluid milk and cream, shortening and cooking oils, and flour fell more in December than they had in the prior month. Conversely, price declines for formula feeds slowed to 4.7 percent in December from 9.3 percent in November. The index for pork also decreased less than it had in the previous month, while prices for natural cheese (except cottage cheese) turned up in December. Prices for intermediate foods and feeds increased 3.4 percent in 2008 after climbing 17.2 percent in 2007.

## Crude goods

The Producer Price Index for Crude Materials for Further Processing fell 5.3 percent in December after declining 12.5 percent in November. Prices for crude energy materials and crude nonfood materials less energy decreased less than they had in November. Conversely, partially offsetting the slower rate of decline in crude materials prices, the index for crude foodstuffs and feedstuffs fell at a faster rate compared with the prior month. (See table B.)

The index for crude energy materials decreased 6.0 percent in December after dropping 18.7 percent a month earlier. Coal prices edged down 0.3 percent subsequent to a 0.5-percent decline in November. Prices for natural gas advanced 14.7 percent in December following a 10.9-percent decrease in the previous month. By contrast, the crude petroleum index moved down 31.0 percent after falling 30.2 percent in the prior month. (See table 2.) In 2008, prices for crude energy materials declined 33.5 percent following a 16.2-percent advance in 2007.

The crude nonfood materials less energy index declined 2.2 percent in December subsequent to a 20.4-percent drop a month earlier. Nonferrous scrap prices moved down 9.2 percent following a 25.4-percent decrease in November. The indexes for iron and steel scrap, wastepaper, gold ores, and plant and animal fibers turned up after declining in the prior month. By contrast, the phosphates index moved down 21.6 percent in December following a 7.6-percent decrease a month earlier. Prices for hides and skins also fell at faster rates compared with the previous month, and the index for soybeans turned down in December. The crude nonfood materials less energy index declined 24.3 percent in 2008 compared with a 15.6-percent gain in 2007.

Prices for crude foodstuffs and feedstuffs decreased 5.3 percent in December after moving down 1.2 percent in the preceding month. Leading this faster rate of decline, the slaughter cattle index fell 8.9 percent following a 2.4-percent increase in November. Prices for fresh vegetables (except potatoes) and soybeans also turned down in December. The indexes for fluid milk, corn, and wheat declined more than they had a month earlier. By contrast, prices for slaughter hogs advanced 4.6 percent after moving down 15.8 percent in November. The index for slaughter chickens rose more than it had a month earlier. Prices for Irish potatoes for processing increased following no change in the prior month, and the index for slaughter turkeys fell less than it had in November. In 2008, crude foodstuffs and feedstuffs prices moved down 14.3 percent following a 24.9-percent jump in 2007.

## Net output price indexes

**Mining, Utilities, and Manufacturing Industries.** The decline in the Producer Price Index for the Net Output of Total Mining, Utilities, and Manufacturing Industries slowed to 2.8 percent from 4.0 percent in November. (Net output price indexes are not seasonally adjusted.) The index for the electric power generation, transmission, and distribution industry group fell 0.2 percent in December after moving down 2.8 percent a month earlier. Prices received by petroleum refineries and farm-feed manufacturers also decreased less than in November. The industry indexes for automobile, light truck, and utility vehicle manufacturing and for natural gas liquid extraction turned up after falling in the prior month. Prices received by pharmaceutical preparation manufacturers moved up more than in November. Conversely, partially offsetting the slower rate of decline in the total mining, utilities, and manufacturing industries index, prices received by phosphatic fertilizer manufacturers dropped 23.1 percent in December following a 6.5-percent decrease in the preceding month. The index for the fluid milk manufacturing industry turned down after rising in November. In December, the index for total mining, utilities, and manufacturing industries was 105.1 (December 2006 = 100). In 2008, the total mining, utilities, and manufacturing industries index fell 1.0 percent after rising 6.2 percent in 2007.

**Trade Industries.** The Producer Price Index for the Net Output of Total Trade Industries turned up 0.5 percent in December after decreasing 3.2 percent a month earlier. (Trade indexes measure changes in margins received by wholesalers and retailers.) The margin index for gasoline stations with convenience stores increased 8.9 percent following a 53.4-percent drop in November. Margins received by merchant wholesalers of durable goods, non-discount department stores, fuel dealers, and family clothing stores also turned up after falling in the preceding month. The margin index for merchant wholesalers of nondurable goods increased more than in November. By contrast, the margin index for supermarkets turned down 2.1 percent in December after rising 4.8 percent in the prior month. Margins received by electronic shopping and mail-order houses also fell following advances in November. In December, the index for total trade industries was 111.1 (December 2006 = 100). In 2008, the total trade industries index rose 6.9 percent after increasing 3.9 percent in 2007.

**Transportation and Warehousing Industries.** The Producer Price Index for the Net Output of Total Transportation and Warehousing Industries fell 2.8 percent in December after decreasing 1.7 percent in the previous month. The industry index for couriers dropped 5.5 percent following no change in November. Prices received by scheduled air transporters, line-haul railroads, and local specialized freight truckers of new goods fell more than in the preceding month. The industry index for Coastal and Great Lakes freight transportation turned down after advancing in November. By contrast, the decline in the industry index for long distance specialized freight trucking of new goods slowed to 0.7 percent in December from 2.8 percent in the prior month. Prices received by long distance general freight truckers (less than truckload) also fell less than in November, and the industry index for deep sea freight transportation was unchanged after decreasing in the prior month. In December, the index for total transportation and warehousing industries was 109.5 (December 2006 = 100). In 2008, the total transportation and warehousing industries index increased 2.7 percent following a 6.6-percent rise in 2007.

**Total Traditional Service Industries.** The Producer Price Index for the Net Output of Total Traditional Service Industries turned down 0.8 percent in December after rising 0.1 percent in the prior month. The index for the commercial banking industry decreased 6.5 percent following a 2.8-percent advance in November. Prices received by securities brokers, software publishers, television broadcasters, and casino hotels also turned down after rising in the preceding month. Conversely, the industry index for lessors of nonresidential buildings turned up 0.7 percent in December after decreasing 2.0 percent a month earlier. Prices received by cellular and other wireless carriers and by general medical and surgical hospitals also increased after November declines. In December, the index for total traditional services industries was 101.9 (December 2006 = 100). In 2008, the total traditional services industries index inched up 0.1 percent after increasing 1.8 percent in 2007.

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Producer Price Index data for January 2009 are scheduled to be released on Thursday, February 19, 2009 at 8:30 a.m. (EST).

## **PPI Commodity Weight Allocations to Stage-of-Processing Indexes to be Updated**

Effective with the release of January 2009 data on February 19, 2009, the Bureau of Labor Statistics will update the weight allocations used to calculate its stage-of-processing (SOP) indexes to more accurately reflect recent sales patterns. While PPI weights will continue to be based on shipment values from the 2002 economic census, the proportion of these weights allocated to the various SOP categories within and, in some cases, across the Finished, Intermediate, and Crude goods stages will change. The new allocations will be based primarily on data contained in the 2002 Input/Output Accounts published by the Bureau of Economic Analysis.

It is important to note that the allocation update will not change the PPI classification system, reference base, or aggregation structure. It may, however, result in significant shifts in the relative importance of component series in the stage-of-processing indexes.

Relative importance figures as of December 2008, will be available on February 17, 2009 on the BLS Web site at: [www.bls.gov/ppi](http://www.bls.gov/ppi). Choose the "PPI Tables" link, under the "On This Page" heading. The revised SOP relative importance figures will be available through the links: "Component series by stage of processing" and "Commodity groupings by major stage of processing category." The information may also be requested from the Division of Industrial Prices and Price Indexes, Section of Index Analysis and Public Information, at 202-691-7705. For further information on this change, please contact Jon Weinhagen at (202) 691-7709.

## **Recalculated Seasonal Adjustment Factors and Relative Importance Figures to be Available on February 17, 2009**

Each year with the release of PPI data for January, seasonal adjustment factors are recalculated to reflect price movements from the just-completed calendar year. This routine annual calculation may result in revisions to seasonally adjusted indexes for the previous 5 years. The following information will be available on February 17, 2009 (2 workdays prior to the release of PPI data for January 2009 on February 19):

- Direct seasonal factors for commodity indexes for the year 2009,
- Recalculated seasonal factors for the last 5 years (2004-2008) for the commodity indexes,
- Recalculated seasonal factors for the last 5 years (2004-2008) for the stage-of-processing indexes.

In addition to recalculated seasonal factors, December 2008 relative importance figures also will be available on February 17, 2009.

To obtain this information, visit the PPI website at <http://www.bls.gov/ppi/> or call the Division of Industrial Prices and Price Indexes, Section of Index Analysis and Public Information at (202) 691-7705.

# Technical Note

## Brief Explanation of Producer Price Indexes

The Producer Price Index (PPI) of the Bureau of Labor Statistics (BLS) is a family of indexes that measure the average change over time in the prices received by domestic producers of goods and services. PPIs measure price change from the perspective of the seller. This contrasts with other measures, such as the Consumer Price Index (CPI). CPIs measure price change from the purchaser's perspective. Sellers' and purchasers' prices can differ due to government subsidies, sales and excise taxes, and distribution costs.

More than 8,000 PPIs for individual products and groups of products are released each month. PPIs are available for the products of virtually every industry in the mining and manufacturing sectors of the U.S. economy. New PPIs are gradually being introduced for the products of industries in the construction, trade, finance, and services sectors of the economy.

More than 100,000 price quotations per month are organized into three sets of PPIs: (1) Stage-of-processing indexes, (2) commodity indexes, and (3) indexes for the net output of industries and their products. The stage-of-processing structure organizes products by class of buyer and degree of fabrication. The commodity structure organizes products by similarity of end use or material composition. The entire output of various industries is sampled to derive price indexes for the net output of industries and their products.

### Stage-of-Processing Indexes

Within the stage-of-processing system, finished goods are commodities that will not undergo further processing and are ready for sale to the final-demand user, either an individual consumer or business firm. Consumer goods include unprocessed foods such as eggs and fresh vegetables, as well as processed foods such as bakery products and meats. Other finished consumer goods include durable goods such as automobiles, household furniture, and appliances, as well as nondurable goods such as apparel and home heating oil. Capital equipment includes durable goods such as heavy motor trucks, tractors, and machine tools.

The stage-of-processing category for intermediate materials, supplies, and components consists partly of commodities that have been processed but require further processing. Examples of such semifinished goods include flour, cotton yarn, steel mill products, and lumber. The intermediate goods category also encompasses nondurable, physically complete items purchased by business firms as inputs for their operations. Examples include diesel fuel, belts and belting, paper boxes, and fertilizers.

Crude materials for further processing are products entering the market for the first time that have not been manufactured or fabricated and that are not sold directly to consumers. Crude foodstuffs and feedstuffs include items such as grains and livestock. Examples of crude nonfood materials include raw cotton, crude petroleum, coal, hides and skins, and iron and steel scrap.

## Commodity Indexes

The commodity classification structure of the PPI organizes products by similarity of end use or material composition, disregarding industry of origin. Fifteen major commodity groupings (two-digit commodity codes) make up the All Commodities Index. Each major commodity grouping includes (in descending order of aggregation) subgroups (three-digit codes), product classes (four-digit codes), subproduct classes (six-digit codes), item groupings (seven-digit codes) and individual items (eight-digit codes).

### Industry Net-Output Price Indexes

PPIs for the net output of industries and their products are grouped according to the North American Industry Classification System (NAICS). Prior to the release of January 2004, industry-based PPIs were published according to the Standard Industrial Classification (SIC) system. Industry price indexes are compatible with other economic time series organized by industry, such as data on employment, wages, and productivity. Table 5 of the *PPI Detailed Report* includes data for NAICS industries and industry groups (3-, 4-, 5-, and 6-digit codes); Census product classes (7- and 8-digit codes), products (9-digit codes), and more detailed subproducts (11-digit codes); and, for some industries, indexes for other sources of revenue.

Indexes may represent one of three kinds of product categories. Every industry has primary product indexes to show changes in prices received by establishments classified in the industry for products made primarily, but not necessarily exclusively, by that industry. The industry classification of an establishment is determined by which products make up a plurality of its total shipment value. In addition, most industries have secondary product indexes that show changes in prices received by establishments classified in the industry for products chiefly made in some other industry. Finally, some industries have miscellaneous receipts indexes to show price changes in other sources of revenue received by establishments within the industry that are not derived from sales of their products—for example, resales of purchased materials, or revenues from parking lots owned by a manufacturing plant.

### Data Collection

PPIs are based on selling prices reported by establishments of all sizes selected by probability sampling, with the probability of selection proportionate to size. Individual items and transaction terms from these firms also are chosen by probability proportionate to size. BLS strongly encourages cooperating companies to supply actual transaction prices at the time of shipment to minimize the use of list prices. Prices submitted by survey respondents are effective on the Tuesday of the week containing the 13th day of the month. This survey is conducted primarily through the mail.



Price data are provided on a voluntary and confidential basis; only sworn BLS employees are allowed access to individual company price reports. BLS publishes price indexes instead of actual prices. All PPIs are subject to revision 4 months after original publication to reflect the availability of late reports and corrections by respondents.

BLS periodically updates the PPI sample of survey respondents to better reflect current conditions when the structure, membership, technology, or product mix of an industry shifts significantly and to spread reporting burden among smaller firms. Results of these resampling efforts are incorporated into the PPI with the release of data for January and July.

As part of an ongoing effort to expand coverage to sectors of the economy other than mining and manufacturing, an increasing number of service sector industries have been introduced into the PPI. The following list of recently introduced industries includes the month and year in which an article describing the industry's content appeared in the *PPI Detailed Report*.

**Service sector industries introduced into the Producer Price Index, by SIC or NAICS code and the *PPI Detailed Report* that announces their introduction**

<i>Title</i>	<i>Code</i>	<i>PPI Detailed Report Issue</i>
<b>SIC</b>		
Wireless telecommunications .....	4812	July 1999
Telephone communications, except radio telephone .....	4813	July 1995
Television broadcasting .....	4833	July 2002
Grocery stores .....	5411	July 2000
Meat and fish (seafood) markets .....	5421	July 2000
Fruit and vegetable markets .....	5431	July 2000
Candy, nut, and confectionery stores ...	5441	July 2000
Retail bakeries .....	5461	July 2000
Miscellaneous food stores .....	5499	July 2000
New car dealers .....	5511	July 2000
Gasoline service stations .....	5541	January 2002
Boat dealers .....	5551	January 2002
Recreational vehicle dealers .....	5561	January 2002
Miscellaneous retail .....	59	January 2001
Security brokers, dealers, and investment bankers .....	6211	January 2001
Investment advice .....	6282	January 2003
Life insurance carriers .....	6311	January 1999
Property and casualty insurance .....	6331	July 1998
Insurance agencies and brokerages ....	6412	January 2003
Operators and lessors of nonresidential buildings .....	6512	January 1996
Real estate agents and managers .....	6531	January 1996
Prepackaged software .....	7372	January 1998
Data processing services .....	7374	January 2002
Home health care services .....	8082	January 1997
Legal services .....	8111	January 1997
Engineering design, analysis, and consulting services .....	8711	January 1997
Architectural design, analysis, and consulting services .....	8712	January 1997

<i>Title</i>	<i>Code</i>	<i>PPI Detailed Report Issue</i>
<b>SIC</b>		
Premiums for property and casualty insurance .....	9331	July 1998
<b>NAICS</b>		
New Industrial building construction .....	236211	January 2008
New warehouse building construction ..	236221	July 2005
New school construction .....	236222	July 2006
New office construction .....	236223	January 2007
Concrete contractors, nonresidential building work .....	23811X	July 2008
Roofing contractors, nonresidential building work .....	23816X	July 2008
Electrical contractors, nonresidential building work .....	23821X	July 2008
Plumbing / HVAC contractors, nonresidential building work .....	23822X	July 2008
Merchant wholesalers, durable goods ..	423	July 2005
Merchant wholesalers, nondurable goods .....	424	July 2005
Wholesale trade agents and brokers ...	425120	July 2005
Furniture and home furnishings stores .	442	January 2004
Electronics and appliance stores .....	443	January 2004
Building material and garden equipment and supplies dealers .....	444	January 2004
Clothing and clothing accessories stores .....	448	January 2004
Sporting goods, hobby, book, and music stores .....	451	January 2004
General merchandise stores .....	452	January 2004
Miscellaneous store retailers .....	453	January 2004
Internet service providers .....	518111	July 2005
Web search portals .....	518112	July 2005
Commercial banking .....	522110	January 2005
Savings institutions .....	522120	January 2005
Direct health and medical insurance carriers .....	524114	July 2004
Construction, mining, and forestry machinery and equipment rental and leasing .....	532412	January 2005
Management consulting services .....	541610	January 2007
Security guards and patrol services .....	561612	July 2005
Computer training .....	611420	July 2007
Blood and organ banks .....	621991	January 2007
Amusement and theme parks .....	713110	July 2006
Golf courses and country clubs .....	713910	July 2006
Fitness and recreational sports centers .	713940	July 2005
Commercial machinery repair and maintenance.....	811310	July 2007

**Weights**

Weights for most traditional commodity groupings of the PPI, as well as weights for commodity-based aggregate indexes calculated using traditional commodity groupings, such as stage-of-processing indexes, currently reflect 2002 values of shipments as reported in the *Census of Manufactures* and other sources. From January 2002 through December

2006, PPI weights were derived from 1997 shipment values. Industry indexes now are calculated with 2002 weights and 1997 net output ratios. This periodic update of the value weights used to calculate the PPI is done to more accurately reflect changes in production and marketing patterns in the economy. Net output values of shipments are used as weights for industry indexes. Net output values refer to the value of shipments from establishments within the industry to buyers outside the industry. However, weights for commodity price indexes are based on gross shipment values, including values of shipments between establishments within the same industry. As a result, broad commodity grouping indexes, such as the PPI for All Commodities, are affected by the multiple counting of price change at successive stages of processing, which can lead to exaggerated or misleading signals about inflation. Stage-of-processing indexes partially correct for this defect, but industry indexes consistently correct for this at all levels of aggregation. Therefore, industry and stage-of-processing indexes are more appropriate than broad commodity groupings for economic analysis of general price trends.

### Price Index Reference Base

Effective with publication of January 1988 data, many important PPI series (including stage-of-processing groupings and most commodity groups and individual items) were placed on a new reference base, 1982 = 100. From 1971 through 1987, the standard reference base for most PPI series was 1967 = 100. Except for rounding differences, the shift to the new reference base did not alter any previously published percent changes for affected PPI series. (See “Calculating Index Changes,” below.) The 1982 reference base is not used for commodity indexes with a base later than December 1981 or for industry net output indexes and their products.

For further information on the underlying concepts and methodology of the Producer Price Index, see chapter 14, “Producer Prices,” in *BLS Handbook of Methods* (April 1997), Bulletin 2490. This document can be downloaded from the BLS Web site at [www.bls.gov/opub/hom/homch14\\_its.htm](http://www.bls.gov/opub/hom/homch14_its.htm). Reprints are available on request.

### Calculating Index Changes

Each PPI measures price changes from a reference period that equals 100.0. An increase of 5.5 percent from the reference period in the Finished Goods Price Index, for example, is shown as 105.5. This change also can be expressed in dollars, as follows: prices received by domestic producers of a sample of finished goods have risen from \$100 in 1982 to \$105.50. Likewise, a current index of 90.0 would indicate that prices received by producers of finished goods are 10 percent lower than they were in 1982.

Movements of price indexes from one month to another are usually expressed as percent changes, rather than as changes in index points. Index point changes are affected by the level of the index in relation to its base period, whereas percent changes are not. The following example shows the computation of index point and percent changes.

#### *Index point change*

Finished Goods Price Index	107.5
Less previous index	104.0
Equals index point change	3.5

#### *Index percent change*

Index point change	3.5
Divided by the previous index	104.0
Equals	0.034
Result multiplied by 100	0.034 x 100
Equals percent change	3.4

## Seasonally Adjusted and Unadjusted Data

Because price data are used for different purposes by different groups, BLS publishes seasonally adjusted and unadjusted changes each month. Seasonally adjusted data are preferred for analyzing general price trends in the economy because these data eliminate the effect of changes that normally occur at about the same time, and in about the same magnitude, every year—such as price movements resulting from normal weather patterns, regular production and marketing cycles, model changeovers, seasonal discounts, and holidays. For these reasons, seasonally adjusted data more clearly reveal underlying cyclical trends. Unadjusted data are of primary interest to users who need information that can be related to actual dollar values of transactions. Individuals requiring this information include marketing specialists, purchasing agents, budget and cost analysts, contract specialists, and commodity traders. It is the unadjusted data that are generally cited when escalating long-term contracts such as purchasing agreements or real estate leases. For more information, see *Escalation and Producer Price Indexes: A Guide for Contracting Parties*, BLS Report 807, September 1991, on the Web at [www.bls.gov/ppi/ppiescalation.htm](http://www.bls.gov/ppi/ppiescalation.htm). Reprints are available on request.

In 1998, the PPI implemented the X-12-ARIMA Seasonal Adjustment Method; prior to that year, the PPI employed the X-11 method. Each year, the seasonal status of most commodity indexes is reevaluated to reflect more recent price behavior. Industry net output indexes are not seasonally adjusted. For time series that exhibit seasonal pricing patterns, new seasonal factors are estimated and applied to the unadjusted data for the previous 5 years. These updated seasonally adjusted indexes replace the most recent 5 years of seasonal data.

Seasonal factors may be applied to series using either a direct or an aggregative method. Generally, commodity indexes are seasonally adjusted using direct seasonal adjustment, which produces a more complete elimination of seasonal movements than does the aggregative method. However, the direct seasonal adjustment process may not yield figures that possess additive consistency. Thus, a seasonally adjusted index for a broad category that is directly adjusted may not be logically consistent with all seasonally adjusted indexes for its components. Seasonal movements for stage-of-processing indexes are derived indirectly through an aggregative method that combines movements of a wide variety of subproduct class (six-digit) series.

Seasonally adjusted indexes can become problematic when previously stable and predictable price patterns abruptly change. If the new pattern persists, the seasonal adjustment method will eventually reflect it adequately; if the pattern keeps shifting, however, seasonally adjusted data will become chronically troublesome. This problem occurs relatively infrequently for farm and food-related products, but has more often affected manufactured products such as automobiles and steel.

Since January 1988, the PPI has used Intervention Analysis Seasonal Adjustment methods to enhance the calculation of seasonal factors. With this technique, outlier values that may distort the seasonal pattern are removed from the data prior to applying the standard seasonal factor estimation procedure. For example, a possible economic cause for large price movements for petroleum-based products might have been the Persian Gulf War. In this case, intervention techniques allowed for better estimates of seasonally adjusted data. On the whole, very few series have required intervention. Out of nearly 800 seasonally adjusted series, only 16 were subject to intervention in 2008.

For more information relating to seasonal adjustment methods, see (1) "Appendix A: Seasonal Adjustment Methodology at BLS," in the *BLS Handbook of Methods* (April 1997), Bulletin 2490 and (2) "Summary of Changes to the PPI's Seasonal Adjustment Methodology" in the January 1995 issue of *Producer Price Indexes*.

## Producer Price Index Data on the Internet

In 1995, the BLS began posting PPI series, news releases, and technical information to both a World Wide Web (WWW) site and a file transfer protocol (FTP) site. During the years following the introduction of PPI Internet services, use of these sites eclipsed more traditional methods of data dissemination, such as subscriptions to the *PPI Detailed Report*. There were more than 2.1 million instances of PPI series being downloaded from the Internet during the 12 months ended December 31, 2007.

## Retrieving PPI data from the PPI Web site

PPI data can be obtained from the WWW address ([www.bls.gov/ppi](http://www.bls.gov/ppi)). Clicking on the "PPI Databases" link reveals the following methods of data retrieval:

- **Top Picks** is a form-based application for both Industry Data and Commodity Data that allows the user to quickly obtain PPI time series data by selecting the most commonly requested time series, including the All Commodities Index and the stage-of-processing indexes (for example, Finished Goods). Within each list, any one—or all—of the time series shown can be selected. A user can modify the date range and output options after executing the query, using the reformat button above the data output table.
- **One-Screen Data Search and Multi-Screen Data Search** are form-based query applications for both Industry Data and Commodity Data designed for users unfamiliar with the PPI coding structure. These

applications guide a user through the PPI classification system by listing index titles and do not require knowledge of commodity or industry codes. Data retrieved are based on a query formulated by selecting data characteristics from lists provided. Two options are available to create customized tables, depending on a user's browser capability. The one-screen option is a JavaScript application that uses a single screen to guide a user through the available time series data. The second option is a multiple-screen, non-Java-based application. Both methods allow a user to browse the PPI coding structure and select multiple series codes. Using the one-screen option, users can modify the date range and output options after executing the query using the reformat button above the data output table.

- **Series Report** is a form-based application that uses formatted PPI time series identifiers (commodity or industry codes) as input in extracting data according to a specified set of date ranges and output options. This application provides the most efficient path for users who are familiar with the format of PPI time series identifiers. Up to 300 indexes can be extracted at a time.

There are five alphabetic prefixes used to create unique PPI time series identifiers: WP, WD, PC, PD, and ND. Each provides the user access to a different PPI database. Adding either a "u" (not seasonally adjusted) or an "s" (seasonally adjusted) to the end of these prefixes further specifies the type of data needed.

## EXAMPLES

**For commodity and stage-of-processing indexes,** series identifiers combine a "wpu" prefix (not seasonally adjusted) or a "wps" prefix (seasonally adjusted) with a commodity code.

<u>Commodity code</u>	<u>Provides data for:</u>
wps141101	Passenger cars, seasonally adjusted
wpu141101	Passenger cars, not seasonally adjusted
wpusop3000	Finished goods, not seasonally adjusted

**For discontinued commodity indexes,** series identifiers combine a "wdu" prefix (not seasonally adjusted) or a "wds" prefix (seasonally adjusted) with a commodity code.

<u>Commodity code</u>	<u>Provides data for:</u>
wds019	Other farm products, seasonally adjusted
wdu0635	Preparations, ethical (prescription), not seasonally adjusted
wdusi138011	Stainless steel mill products, not seasonally adjusted

**Current price indexes grouped by industry according to NAICS** have series identifiers that begin with the prefix “pcu.” After the prefix, there are 12 digits (the 6-digit industry code is listed twice) followed by up to 7 alphanumeric characters identifying product detail. Dashes are used as placeholders for higher-level industry group codes.

*Industry-product code,*

current NAICS series

pcu325---325---

pcu336110336110

pcu621111621111411

pcu325412325412A

Provides data for:

Chemical manufacturing, not seasonally adjusted  
Automobile and light duty motor vehicle manufacturing  
Offices of physicians, one- and two-physician practices and single-specialty group practices, general/family practice  
Pharmaceutical preparation manufacturing, pharmaceuticals acting on the respiratory system

**Discontinued industry-product codes based on SIC** combine a “pdu” prefix and “#” between the fourth and fifth characters of the product code. Series identifiers for the discontinued dataset use underscores as placeholders to complete a reference to an SIC industry group code of fewer than four digits. (All PPI industry-based indexes organized by SIC were discontinued with the introduction of NAICS.)

*Industry-product code,*

discontinued SIC series

pdu28\_#

pdu331\_#

pdu3711#111

Provides data for:

Chemicals and allied products, not seasonally adjusted  
Blast furnaces, steel works, and rolling and finishing mills, not seasonally adjusted  
Passenger cars

**Price indexes for discontinued series grouped by industry according to NAICS** have identifiers that begin with the prefix “ndu.” After the prefix, there are 12 numeric digits (the 6-digit industry code is listed twice), and up to 7 additional alphanumeric characters that identify product detail. Dashes are used as placeholders for higher-level industry group codes.

*Industry-product code,*

discontinued NAICS series

ndu212231212231

ndu2122312122312

ndu212231212231214

Provides data for

Lead ore and zinc ore mining  
Lead and zinc concentrates  
Lead concentrates

- **Text Files (FTP)** and the FTP server are best suited for users requiring access to either a large volume of time series data or other PPI-related documentation (such as seasonal factor and relative importance tables). The FTP sites can be accessed at **ftp://ftp.bls.gov** or directly from the links on the “PPI Databases” page or the PPI homepage. Data and documentation available for download include the following:

Directory:

Industry Data	<b>/pub/time.series/pc</b>
Industry Data - Discontinued (NAICS basis)	<b>/pub/time.series/nd</b>
(SIC basis)	<b>/pub/time.series/pd</b>
Commodity Data	<b>/pub/time.series/wp</b>
Commodity Data - Discontinued Series	<b>/pub/time.series/wd</b>
Special requests	<b>/pub/special.requests/ppi</b>

The FTP site maintains files to help with searches and downloads. These files are centrally located in the **/pub/doc** directory. Within this directory, the **overview.txt** file contains an overview relating to all BLS data available through the FTP site. For current commodity-based PPI data, the program help file is **wp.txt**; for discontinued commodity series, **wd.txt**; for current industry-based PPI data based on NAICS, **pc.txt**; for industry-based SIC time series that have been discontinued, **pd.txt**; and for industry-based NAICS series that have been discontinued, **nd.txt**.

Users who prefer downloading PPI datasets as individual ZIP files should go to the directory labeled **/pub/time.series/compressed/tape.format/** on the FTP site. This directory includes six PPI-specific ZIP files, one for each of the PPI databases—WP, WD, PC, ND, and PD—and a ZIP file for the annual 5-year revision to historical seasonal PPIs.

## Other Sources of PPI Data

PPI data can also be accessed via the BLS homepage (**www.bls.gov**). Clicking on the “Databases & Tables” tab at the top of the homepage calls up a listing all available BLS programs.

## **Additional information**

The PPI homepage ([www.bls.gov/ppi](http://www.bls.gov/ppi)) contains additional information regarding PPI data and methodology. The top section of the homepage provides PPI news releases, both current and archived, as well as general PPI information. The “Tables Created by BLS” section found beneath the

statistics section provides relative importance and seasonal factor tables. The remaining sections offer special notices and publications pertaining to PPI methodology and applications.

For questions or comments regarding PPI data classification, methodology, or data availability on the Internet, call or e-mail the Section of Index Analysis and Public Information at (202) 691-7705 or [ppi-info@bls.gov](mailto:ppi-info@bls.gov).

**Table 1. Producer price indexes and percent changes by stage of processing**  
[1982=100]

Grouping	Relative importance Dec. 2007 <sup>1</sup>	Unadjusted index			Unadjusted percent change to Dec. 2008 from:		Seasonally adjusted percent change from:		
		Aug. 2008 <sup>2</sup>	Nov. 2008 <sup>2</sup>	Dec. 2008 <sup>2</sup>	Dec. 2007	Nov. 2008	Sept. to Oct.	Oct. to Nov.	Nov. to Dec.
Finished goods.....	100.000	182.2	172.1	168.8	-0.9	-1.9	-2.8	-2.2	-1.9
Finished consumer goods.....	78.284	193.2	178.4	173.8	-2.5	-2.6	-3.7	-2.9	-2.6
Finished consumer foods.....	21.296	181.3	180.8	178.5	3.7	-1.3	-0.2	0.0	-1.5
Crude.....	2.258	159.8	175.3	161.7	-18.6	-7.8	2.5	-0.7	-10.7
Processed.....	19.038	183.5	181.4	180.2	6.3	-0.7	-0.4	0.1	-0.6
Finished consumer goods, excluding foods.....	56.988	197.5	176.9	171.4	-4.8	-3.1	-5.0	-4.1	-3.0
Nondurable goods less foods.....	42.845	223.9	190.6	182.3	-7.9	-4.4	-6.8	-5.7	-4.4
Durable goods.....	14.143	140.2	143.7	143.9	3.2	0.1	0.4	0.0	0.5
Capital equipment.....	21.716	153.9	156.7	156.7	4.0	0.0	0.5	0.1	0.2
Manufacturing industries.....	5.508	158.3	159.9	159.7	4.0	-0.1	0.2	-0.1	-0.1
Nonmanufacturing industries.....	16.208	152.3	155.5	155.5	3.9	0.0	0.5	0.2	0.2
Intermediate materials, supplies, and components.....	100.000	199.4	180.7	172.7	-1.7	-4.4	-3.9	-4.3	-4.2
Materials and components for manufacturing.....	41.867	188.7	173.5	164.6	-1.0	-5.1	-2.8	-4.6	-5.1
Materials for food manufacturing.....	2.911	187.5	177.5	171.9	1.2	-3.2	-2.8	-0.6	-3.1
Materials for nondurable manufacturing.....	15.185	238.6	206.9	188.1	-3.6	-9.1	-4.6	-8.5	-9.1
Materials for durable manufacturing.....	8.624	218.9	191.7	177.7	-5.5	-7.3	-4.1	-6.2	-7.2
Components for manufacturing.....	15.147	141.9	142.4	142.0	3.8	-0.3	0.0	-0.1	-0.3
Materials and components for construction.....	13.389	212.9	210.3	207.6	7.3	-1.3	-0.7	-1.1	-1.2
Processed fuels and lubricants.....	22.403	225.2	170.3	154.1	-17.3	-9.5	-10.9	-9.9	-8.2
Manufacturing industries.....	5.999	219.4	170.0	157.4	-13.1	-7.4	-8.7	-10.0	-6.1
Nonmanufacturing industries.....	16.404	228.3	170.9	153.3	-18.8	-10.3	-11.8	-9.8	-9.0
Containers.....	2.923	195.0	199.3	198.1	8.0	-0.6	0.6	0.0	-0.6
Supplies.....	19.418	178.9	176.0	174.0	5.7	-1.1	-1.1	-1.1	-1.2
Manufacturing industries.....	3.911	172.9	173.7	173.0	4.8	-0.4	-0.2	-0.1	-0.4
Nonmanufacturing industries.....	15.507	179.0	175.1	172.8	5.9	-1.3	-1.3	-1.3	-1.4
Feeds.....	1.081	205.3	172.5	165.5	7.8	-4.1	-10.1	-5.8	-4.1
Other supplies.....	14.426	177.2	176.6	174.7	5.7	-1.1	-0.2	-0.8	-1.1
Crude materials for further processing.....	100.000	274.6	181.8	171.7	-25.0	-5.6	-18.6	-12.5	-5.3
Foodstuffs and feedstuffs.....	32.756	170.6	144.6	135.9	-14.3	-6.0	-11.1	-1.2	-5.3
Nonfood materials.....	67.244	350.0	200.0	189.5	-31.2	-5.3	-22.5	-19.4	-5.2
Nonfood materials except fuel <sup>3</sup> .....	40.982	357.2	192.6	163.5	-41.0	-15.1	-21.3	-24.8	-15.1
Manufacturing <sup>3</sup> .....	40.533	333.1	178.3	151.0	-41.4	-15.3	-21.5	-25.1	-15.3
Construction.....	0.449	200.3	195.5	192.7	-2.2	-1.4	0.7	-2.2	-1.3
Crude fuel <sup>4</sup> .....	26.262	309.5	196.8	219.4	-12.5	11.5	-24.7	-8.9	11.6
Manufacturing industries.....	2.338	294.3	190.3	211.1	-11.2	10.9	-23.9	-8.5	11.0
Nonmanufacturing industries.....	23.924	316.5	201.0	224.1	-12.6	11.5	-24.8	-8.9	11.6
<b>Special groupings</b>									
Finished goods, excluding foods.....	78.704 <sup>5</sup>	182.2	169.4	165.8	-2.2	-2.1	-3.4	-2.9	-2.1
Intermediate materials less foods and feeds.....	96.008 <sup>6</sup>	199.7	181.0	172.8	-2.0	-4.5	-3.7	-4.5	-4.2
Intermediate foods and feeds.....	3.992 <sup>6</sup>	194.3	176.3	170.2	3.4	-3.5	-5.5	-2.4	-3.4
Crude materials less agricultural products <sup>3, 7</sup> .....	66.545 <sup>8</sup>	360.0	205.2	194.9	-31.1	-5.0	-22.8	-19.3	-5.0
Finished energy goods.....	21.654 <sup>5</sup>	198.6	144.1	130.6	-20.3	-9.4	-12.8	-11.2	-9.3
Finished goods less energy.....	78.346 <sup>5</sup>	170.8	172.8	172.3	4.1	-0.3	0.2	0.1	-0.2
Finished consumer goods less energy.....	56.630 <sup>5</sup>	178.3	180.0	179.2	4.2	-0.4	0.1	0.1	-0.4
Finished goods less foods and energy.....	57.050 <sup>5</sup>	167.4	170.4	170.5	4.3	0.1	0.4	0.1	0.2
Finished consumer goods less foods and energy.....	35.334 <sup>5</sup>	176.6	179.7	180.0	4.5	0.2	0.3	0.1	0.3
Consumer nondurable goods less foods and energy.....	21.191 <sup>5</sup>	208.5	211.0	211.2	5.6	0.1	0.3	0.2	0.1
Intermediate energy goods.....	23.306 <sup>6</sup>	231.3	168.8	150.6	-19.8	-10.8	-10.6	-12.3	-9.5
Intermediate materials less energy.....	76.694 <sup>6</sup>	188.9	181.4	176.0	3.3	-3.0	-2.0	-2.3	-3.0
Intermediate materials less foods and energy.....	72.702 <sup>6</sup>	188.7	181.8	176.4	3.2	-3.0	-1.7	-2.3	-3.0
Crude energy materials <sup>3</sup> .....	50.873 <sup>8</sup>	339.1	189.9	178.4	-33.5	-6.1	-24.9	-18.7	-6.0
Crude materials less energy.....	49.032 <sup>8</sup>	222.3	168.1	159.9	-17.6	-4.9	-13.3	-7.8	-4.4
Crude nonfood materials less energy <sup>4</sup> .....	16.371 <sup>8</sup>	374.2	225.7	220.7	-24.3	-2.2	-17.0	-20.4	-2.2

1 Comprehensive relative importance figures are initially computed after the publication of December indexes and are recalculated after final December indexes are available.

2 The indexes for August 2008 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject revision 4 months after original publication.

3 Includes crude petroleum.

4 Excludes crude petroleum.

5 Percent of total finished goods.

6 Percent of total intermediate materials.

7 Formerly titled "Crude materials for further processing, excluding crude foodstuffs and feedstuffs, plant and animal fibers, oilseeds, and leaf tobacco."

8 Percent of total crude materials.

**Table 2. Producer price indexes and percent changes for selected commodity groupings by stage of processing**

[1982=100, unless otherwise indicated]

Grouping	Commodity code	Unadjusted index			Unadjusted percent change to Dec. 2008 from:		Seasonally adjusted percent change from:		
		Aug. 2008 <sup>1</sup>	Nov. 2008 <sup>1</sup>	Dec. 2008 <sup>1</sup>	Dec. 2007	Nov. 2008	Sept. to Oct.	Oct. to Nov.	Nov. to Dec.
<b>Finished goods.....</b>		182.2	172.1	168.8	-0.9	-1.9	-2.8	-2.2	-1.9
Finished consumer goods.....		193.2	178.4	173.8	-2.5	-2.6	-3.7	-2.9	-2.6
Finished consumer foods.....		181.3	180.8	178.5	3.7	-1.3	-0.2	0.0	-1.5
Fresh fruits and melons <sup>2</sup> .....	01-11	112.2	107.4	113.6	-20.3	5.8	-7.6	2.1	5.8
Fresh and dry vegetables <sup>2</sup> .....	01-13	147.9	189.4	161.2	-15.9	-14.9	-1.0	3.8	-14.9
Eggs for fresh use (Dec 1991=100).....	01-71-07	134.2	149.4	143.4	-25.8	-4.0	2.1	-18.2	-7.9
Bakery products <sup>2</sup> .....	02-11	240.5	244.1	245.1	10.3	0.4	0.4	0.8	0.4
Milled rice <sup>2</sup> .....	02-13	292.8	258.0	251.0	50.1	-2.7	-2.3	-5.3	-2.7
Pasta products (June 1985=100) <sup>2</sup> .....	02-14-02	189.7	188.8	188.8	28.2	0.0	1.4	-0.4	0.0
Beef and veal <sup>2</sup> .....	02-21-01	167.4	161.2	156.7	12.1	-2.8	-8.8	6.3	-2.8
Pork.....	02-21-04	150.7	127.5	125.8	2.3	-1.3	-3.1	-5.3	-1.1
Processed young chickens.....	02-22-03	147.7	140.9	137.8	3.4	-2.2	5.9	-0.9	-1.9
Processed turkeys.....	02-22-06	123.6	125.1	121.0	5.8	-3.3	-2.5	-0.4	-0.8
Finfish and shellfish.....	02-23	258.0	248.4	250.4	2.0	0.8	-3.7	-1.3	0.4
Dairy products <sup>2</sup> .....	02-3	186.8	178.3	174.3	-7.7	-2.2	-0.9	-1.8	-2.2
Processed fruits and vegetables.....	02-4	167.1	173.6	174.5	9.2	0.5	-0.5	0.9	0.2
Confectionery end products <sup>2</sup> .....	02-55	219.5	229.7	231.1	10.7	0.6	3.2	1.5	0.6
Soft drinks <sup>2</sup> .....	02-62	175.3	176.6	176.8	4.9	0.1	0.7	0.1	0.1
Roasted coffee <sup>2</sup> .....	02-63-01	180.7	181.5	180.8	7.3	-0.4	-1.3	-0.1	-0.4
Shortening and cooking oils <sup>2</sup> .....	02-78	321.1	265.1	250.3	3.3	-5.6	-10.0	-1.3	-5.6
Finished consumer goods excluding foods.....		197.5	176.9	171.4	-4.8	-3.1	-5.0	-4.1	-3.0
Alcoholic beverages.....	02-61	166.1	168.5	167.8	3.7	-0.4	0.8	-0.2	-0.4
Pet food <sup>2</sup> .....	02-94-02	223.6	220.8	220.8	18.2	0.0	-0.4	-0.7	0.0
Women's, girls', & infants' apparel (Dec 2003=100) <sup>2</sup> .....	03-81-06	100.8	101.1	101.2	0.1	0.1	0.0	0.2	0.1
Men's and boys' apparel (Dec 2003=100) <sup>2</sup> .....	03-81-07	99.8	100.3	100.3	1.5	0.0	0.2	0.1	0.0
Textile housefurnishings <sup>2</sup> .....	03-82	127.0	128.4	128.3	1.8	-0.1	0.1	0.9	-0.1
Footwear <sup>2</sup> .....	04-3	157.9	158.4	159.7	3.4	0.8	0.0	0.3	0.8
Residential electric power (Dec 1990=100).....	05-41	151.5	147.1	147.5	6.3	0.3	-0.5	1.4	0.3
Residential gas (Dec 1990=100).....	05-51	274.3	241.9	236.8	6.1	-2.1	-5.9	-4.6	-3.2
Gasoline.....	05-71	310.1	154.9	114.5	-51.4	-26.1	-24.9	-25.7	-25.7
Home heating oil and distillates.....	05-73-02-01	345.4	213.9	154.6	-40.5	-27.7	-9.6	-23.3	-24.1
Pharmaceutical preparations (June 2001=100) <sup>2</sup> .....	06-38	138.4	140.1	141.6	7.7	1.1	-0.3	0.6	1.1
Soaps and synthetic detergents <sup>2</sup> .....	06-71	153.5	165.1	166.3	13.4	0.7	1.7	4.0	0.7
Cosmetics and other toilet preparations <sup>2</sup> .....	06-75	147.8	148.6	148.8	0.2	0.1	0.5	0.0	0.1
Tires, tubes, tread, etc <sup>2</sup> .....	07-12	129.2	135.0	134.1	10.9	-0.7	4.1	0.1	-0.7
Sanitary paper products <sup>2</sup> .....	09-15-01	173.4	175.9	176.1	7.8	0.1	-0.5	0.4	0.1
Newspaper circulation.....	09-31-01	251.0	253.0	254.1	2.7	0.4	0.0	-0.2	0.2
Periodical circulation (June 2007=100) <sup>2</sup> .....	09-32-04	101.9	101.9	102.1	2.1	0.2	0.1	0.0	0.2
Book publishing <sup>2</sup> .....	09-33	297.6	300.8	300.9	4.0	0.0	0.0	1.0	0.0
Household furniture <sup>2</sup> .....	12-1	182.8	185.4	186.5	6.3	0.6	0.3	0.4	0.6
Floor coverings <sup>2</sup> .....	12-3	162.0	162.9	163.9	3.7	0.6	0.0	0.0	0.6
Household appliances <sup>2</sup> .....	12-4	107.7	109.4	109.4	3.8	0.0	0.7	0.7	0.0
Home electronic equipment <sup>2</sup> .....	12-5	57.0	57.2	57.4	1.2	0.3	-0.2	0.0	0.3
Household glassware <sup>2</sup> .....	12-62	188.8	196.3	-	-	-	0.0	0.0	-
Household flatware <sup>2</sup> .....	12-64	194.4	194.4	-	-	-	-	0.0	-
Lawn and garden equip, ex tractors <sup>2</sup> .....	12-66	140.1	142.2	142.3	2.1	0.1	-0.2	1.3	0.1
Passenger cars.....	14-11-01	128.8	130.5	131.2	3.1	0.5	-1.7	-0.6	1.2
Toys, games, and children's vehicles <sup>2</sup> .....	15-11	135.5	136.3	136.3	3.7	0.0	-0.2	0.1	0.0
Sporting and athletic goods <sup>2</sup> .....	15-12	130.0	132.8	131.1	0.5	-1.3	0.6	0.8	-1.3
Tobacco products <sup>2</sup> .....	15-2	512.4	514.3	515.1	3.1	0.2	0.0	0.2	0.2
Mobile homes <sup>2</sup> .....	15-5	221.4	225.7	223.4	5.2	-1.0	1.2	-0.4	-1.0
Jewelry, platinum, & karat gold <sup>2</sup> .....	15-94-02	165.0	160.3	161.1	2.2	0.5	2.6	-2.1	0.5
Costume jewelry and novelties <sup>2</sup> .....	15-94-04	159.6	159.6	159.8	1.8	0.1	0.0	0.0	0.1
Capital equipment.....		153.9	156.7	156.7	4.0	0.0	0.5	0.1	0.2
Agricultural machinery and equipment <sup>2</sup> .....	11-1	194.3	197.4	197.4	5.3	0.0	1.1	0.3	0.0
Construction machinery and equipment.....	11-2	186.0	189.9	190.3	5.3	0.2	0.5	1.2	0.4
Metal cutting machine tools <sup>2</sup> .....	11-37	171.7	173.4	173.3	3.6	-0.1	0.6	0.5	-0.1
Metal forming machine tools <sup>2</sup> .....	11-38	194.7	200.3	199.9	8.3	-0.2	1.6	-1.4	-0.2
Tools, dies, jigs, fixtures, and ind. molds <sup>2</sup> .....	11-39	145.9	146.5	146.5	1.7	0.0	-0.3	-0.3	0.0
Pumps, compressors, and equipment <sup>2</sup> .....	11-41	207.3	212.0	211.4	6.9	-0.3	0.7	0.7	-0.3
Industrial material handling equipment <sup>2</sup> .....	11-44	178.5	182.5	183.0	11.7	0.3	-0.5	-0.2	0.3

See footnotes at end of table.

**Table 2. Producer price indexes and percent changes for selected commodity groupings by stage of processing — Continued**  
 [1982=100, unless otherwise indicated]

Grouping	Commodity code	Unadjusted index			Unadjusted percent change to Dec. 2008 from:		Seasonally adjusted percent change from:		
		Aug. 2008 <sup>1</sup>	Nov. 2008 <sup>1</sup>	Dec. 2008 <sup>1</sup>	Dec. 2007	Nov. 2008	Sept. to Oct.	Oct. to Nov.	Nov. to Dec.
<b>Capital equipment - Continued</b>									
Electronic computers (Dec 2004=100) <sup>2</sup>	11-51	40.3	38.3	38.1	-16.4	-0.5	-2.5	-0.8	-0.5
Textile machinery <sup>2</sup>	11-62	165.6	166.8	166.6	2.3	-0.1	0.1	0.4	-0.1
Paper industries machinery (June 1982=100) <sup>2</sup>	11-64	190.7	191.6	191.5	2.6	-0.1	1.0	0.1	-0.1
Printing trades machinery <sup>2</sup>	11-65	152.5	152.9	152.9	1.4	0.0	0.5	-0.3	0.0
Transformers and power regulators <sup>2</sup>	11-74	224.4	212.1	206.3	3.1	-2.7	0.9	-6.6	-2.7
Communication & related equip (Dec 1985=100) <sup>2</sup>	11-76	105.1	105.1	105.0	1.6	-0.1	-0.2	0.0	-0.1
X-ray and electromedical equipment <sup>2</sup>	11-79-05	91.6	91.3	91.5	-0.4	0.2	0.0	-0.3	0.2
Oil field and gas field machinery	11-91	203.3	204.7	205.3	10.1	0.3	0.0	0.4	-0.2
Mining machinery and equipment <sup>2</sup>	11-92	208.6	211.1	212.8	4.7	0.0	0.1	0.5	0.8
Office and store machines and equipment <sup>2</sup>	11-93	125.6	121.3	121.3	6.6	-1.7	-5.2	-0.1	0.0
Commercial furniture <sup>2</sup>	12-2	193.2	198.1	194.8	2.3	0.1	1.1	1.8	-1.7
Light motor trucks	14-11-05	138.5	150.8	150.9	3.6	0.2	2.6	-0.1	0.8
Heavy motor trucks <sup>2</sup>	14-11-06	181.9	184.6	185.0	4.8	-0.4	0.2	1.3	0.2
Truck trailers <sup>2</sup>	14-14	179.7	180.0	179.2	6.9	0.6	0.7	-1.0	-0.4
Civilian aircraft (Dec 1985=100)	14-21-02	231.7	237.4	238.9	4.0	0.3	1.0	0.9	0.8
Ships (Dec 1985=100) <sup>2</sup>	14-31	200.7	202.7	203.3	1.7	-0.8	0.4	-0.3	0.3
Railroad equipment <sup>2</sup>	14-4	181.7	182.0	180.5	3.1	-0.8	3.1	-3.4	-0.8
<b>Intermediate materials, supplies, and components</b>		199.4	180.7	172.7	-1.7	-4.4	-3.9	-4.3	-4.2
Intermediate foods and feeds		194.3	176.3	170.2	3.4	-3.5	-5.5	-2.4	-3.4
Flour <sup>2</sup>	02-12-03	235.1	193.9	184.2	-21.7	-5.0	-8.8	-2.9	-5.0
Refined sugar and byproducts <sup>2</sup>	02-53	141.9	154.8	153.2	19.4	-1.0	6.2	0.5	-1.0
Confectionery materials	02-54	177.0	177.5	176.8	15.0	-0.4	1.1	0.1	-0.4
Soft drink beverage bases (Dec 1985=100) <sup>2</sup>	02-64-01-11	212.8	216.6	216.7	9.6	0.0	1.1	0.2	0.0
Processed eggs <sup>2</sup>	02-83	182.9	199.9	162.5	-0.7	-18.7	-0.3	-1.2	-18.7
Prepared animal feeds <sup>2</sup>	02-9	203.6	176.6	170.9	10.0	-3.2	-8.6	-4.6	-3.2
Intermediate materials less foods and feeds		199.7	181.0	172.8	-2.0	-4.5	-3.7	-4.5	-4.2
Synthetic fibers <sup>2</sup>	03-1	118.8	116.0	114.5	-0.6	-1.3	-4.1	-1.5	-1.3
Processed yarns and threads <sup>2</sup>	03-2	125.7	126.1	121.3	2.1	-3.8	-0.2	-0.9	-3.8
Gray fabrics <sup>2</sup>	03-3	125.2	125.1	125.9	3.9	0.6	0.0	0.1	0.6
Finished fabrics <sup>2</sup>	03-4	136.0	136.3	134.8	4.3	-1.1	-0.4	0.2	-1.1
Industrial textile products <sup>2</sup>	03-83-03	144.1	146.1	145.5	3.9	-0.4	1.2	-0.2	-0.4
Leather <sup>2</sup>	04-2	234.2	235.6	235.5	1.0	0.0	-0.2	0.7	0.0
Liquefied petroleum gas <sup>2</sup>	05-32	429.4	178.2	139.4	-65.5	-21.8	-27.6	-33.4	-21.8
Commercial electric power	05-42	182.6	176.7	177.1	8.5	0.2	1.6	1.8	0.3
Industrial electric power	05-43	197.1	189.4	190.6	5.9	0.6	2.6	-0.1	1.4
Commercial natural gas (Dec 1990=100)	05-52	321.2	255.3	252.5	6.5	-1.1	-12.1	-7.3	-1.1
Industrial natural gas (Dec 1990=100)	05-53	305.8	261.1	257.5	4.3	-1.4	-9.3	-11.6	-1.4
Natural gas to electric utilities (Dec 1990=100)	05-54	204.6	189.0	192.5	2.1	1.9	-13.3	-1.4	1.0
Jet fuels	05-72-03	315.2	223.5	178.2	-33.6	-20.3	-12.8	-11.6	-16.8
No 2 Diesel fuel	05-73-03	346.7	224.9	171.5	-36.9	-23.7	-16.4	-17.1	-17.5
Residual fuels <sup>2</sup>	05-74	283.7	148.0	112.9	-43.8	-23.7	-19.6	-34.5	-23.7
Basic inorganic chemicals <sup>2</sup>	06-13	287.7	289.9	296.9	50.6	2.4	1.1	-4.9	2.4
Basic organic chemicals <sup>2</sup>	06-14	314.2	254.0	208.7	-18.6	-17.8	-11.0	-10.2	-17.8
Prepared paint	06-21	226.5	229.5	235.7	11.5	2.7	0.0	0.1	2.9
Paint materials <sup>2</sup>	06-22	225.2	231.4	225.4	3.1	-2.6	0.7	-0.3	-2.6
Medicinal and botanical chemicals <sup>2</sup>	06-31	162.2	163.4	163.3	16.5	-0.1	1.3	-0.3	-0.1
Fats and oils, inedible <sup>2</sup>	06-4	334.1	238.2	222.8	-7.2	-6.5	-14.3	-14.4	-6.5
Mixed fertilizers	06-51	288.8	292.1	249.4	45.5	-14.6	1.9	-3.1	-14.9
Nitrogenates	06-52-01	411.3	348.9	361.4	38.0	3.6	-7.7	-9.6	1.1
Phosphates <sup>2</sup>	06-52-02	518.3	473.1	370.7	82.3	-21.6	-4.4	-7.6	-21.6
Other agricultural chemicals <sup>2</sup>	06-53	171.5	176.5	178.0	10.8	0.8	2.4	-1.3	0.8
Plastic resins and materials <sup>2</sup>	06-6	233.3	216.0	195.8	-5.6	-9.4	-3.0	-5.6	-9.4
Synthetic rubber <sup>2</sup>	07-11-02	226.0	242.8	223.4	30.4	-8.0	0.4	2.8	-8.0
Plastic construction products <sup>2</sup>	07-21	189.7	189.4	186.5	3.3	-1.5	0.3	-1.1	-1.5
Unsupported plastic film, sheet, & other shapes <sup>2</sup>	07-22	198.7	201.6	197.9	9.2	-1.8	-0.4	-0.5	-1.8
Plastic parts and components for manufacturing <sup>2</sup>	07-26	133.6	135.7	135.6	4.2	-0.1	0.9	-0.2	-0.1
Softwood lumber <sup>2</sup>	08-11	163.0	146.6	145.7	-8.4	-0.6	-7.5	-2.6	-0.6
Hardwood lumber <sup>2</sup>	08-12	183.2	180.9	177.4	-7.0	-1.9	-0.2	-0.8	-1.9
Millwork	08-2	205.4	205.6	206.0	2.2	0.2	0.6	-0.3	0.3
Plywood <sup>2</sup>	08-3	174.9	170.2	168.3	-5.0	-1.1	-3.1	-2.1	-1.1
Treated wood (June 1985=100)	08-71-01	173.2	159.5	161.9	-0.6	1.5	-5.2	-0.5	0.6

See footnotes at end of table.



**Table 2. Producer price indexes and percent changes for selected commodity groupings by stage of processing — Continued**  
[1982=100, unless otherwise indicated]

Grouping	Commodity code	Unadjusted index			Unadjusted percent change to Dec. 2008 from:		Seasonally adjusted percent change from:		
		Aug. 2008 <sup>1</sup>	Nov. 2008 <sup>1</sup>	Dec. 2008 <sup>1</sup>	Dec. 2007	Nov. 2008	Sept. to Oct.	Oct. to Nov.	Nov. to Dec.
<b>Intermediate materials less foods and feeds - Continued</b>									
Woodpulp <sup>2</sup> .....	09-11	174.8	164.2	164.2	-1.9	0.0	-3.5	-5.8	0.0
Paper <sup>2</sup> .....	09-13	188.6	191.4	189.8	9.9	-0.8	0.3	0.3	-0.8
Paperboard <sup>2</sup> .....	09-14	226.0	229.3	228.8	9.3	-0.2	0.5	-0.3	-0.2
Paper boxes and containers <sup>2</sup> .....	09-15-03	209.6	217.2	216.4	7.4	-0.4	1.3	0.1	-0.4
Building paper and board <sup>2</sup> .....	09-2	172.8	165.4	161.5	6.3	-2.4	-3.4	-1.4	-2.4
Commercial printing (June 1982=100) <sup>2</sup> .....	09-37	170.4	168.9	169.4	1.9	0.3	-0.5	-0.7	0.3
Foundry and forge shop products <sup>2</sup> .....	10-15	202.9	194.1	189.7	10.9	-2.3	-2.5	-2.2	-2.3
Steel mill products <sup>2</sup> .....	10-17	257.0	217.1	190.2	5.3	-12.4	-4.2	-9.0	-12.4
Primary nonferrous metals <sup>2</sup> .....	10-22	286.7	195.4	178.7	-30.8	-8.5	-12.0	-12.2	-8.5
Aluminum mill shapes <sup>2</sup> .....	10-25-01	196.6	180.8	172.0	-5.9	-4.9	-2.2	-3.8	-4.9
Copper and brass mill shapes <sup>2</sup> .....	10-25-02	421.2	326.6	295.1	-24.3	-9.6	-7.5	-11.3	-9.6
Titanium mill shapes <sup>2</sup> .....	10-25-05	241.9	241.3	232.9	-15.9	-3.5	-2.1	-0.1	-3.5
Nonferrous wire and cable <sup>2</sup> .....	10-26	260.2	213.7	207.4	-13.5	-2.9	-7.7	-10.8	-2.9
Metal containers <sup>2</sup> .....	10-3	148.1	148.1	148.5	10.3	0.3	0.1	-0.2	0.3
Hardware <sup>2</sup> .....	10-4	193.4	195.8	196.6	8.8	0.4	0.8	-0.1	0.4
Plumbing fixtures and brass fittings .....	10-5	228.2	227.9	227.9	4.1	0.0	-0.3	-0.6	0.2
Heating equipment .....	10-6	212.6	217.7	217.9	10.0	0.1	0.4	0.4	0.3
Fabricated structural metal products <sup>2</sup> .....	10-7	216.0	215.2	213.3	12.6	-0.9	-0.6	-0.9	-0.9
Fabricated ferrous wire products (June 1982=100) <sup>2</sup> .....	10-88	214.9	214.6	208.3	23.3	-2.9	2.0	-2.3	-2.9
Other misc metal products <sup>2</sup> .....	10-89	154.5	155.3	155.5	6.7	0.1	0.1	0.1	0.1
Mechanical power transmission equipment .....	11-45	225.1	229.7	231.8	10.6	0.9	0.4	0.9	0.9
Air conditioning and refrigeration equipment .....	11-48	165.1	166.0	165.6	4.0	-0.2	0.2	-0.2	-0.5
Metal valves, ex.fluid power (Dec. 1982=100) <sup>2</sup> .....	11-49-02	241.3	243.2	243.8	5.1	0.2	0.1	0.2	0.2
Ball and roller bearings <sup>2</sup> .....	11-49-05	216.9	220.0	221.2	8.6	0.5	1.1	-0.6	0.5
Wiring devices <sup>2</sup> .....	11-71	210.3	210.2	209.4	5.7	-0.4	0.3	-0.6	-0.4
Motors, generators, motor generator sets <sup>2</sup> .....	11-73	185.0	185.2	183.5	5.0	-0.9	0.8	-0.2	-0.9
Switchgear, switchboard, etc, equipment <sup>2</sup> .....	11-75	195.7	199.1	200.1	4.7	0.5	2.2	-0.6	0.5
Electronic components and accessories <sup>2</sup> .....	11-78	76.7	76.7	76.4	-2.6	-0.4	-0.1	-0.5	-0.4
Internal combustion engines <sup>2</sup> .....	11-94	158.4	159.8	159.7	3.1	-0.1	0.1	1.4	-0.1
Machine shop products <sup>2</sup> .....	11-95	170.2	172.5	170.7	3.3	-1.0	0.3	-0.2	-1.0
Flat glass <sup>2</sup> .....	13-11	117.7	120.1	119.2	5.7	-0.7	1.7	1.5	-0.7
Cement .....	13-22	209.8	210.3	209.2	-0.6	-0.5	0.6	1.5	-0.1
Concrete products .....	13-3	211.1	214.5	214.5	4.2	0.0	0.0	0.8	0.2
Asphalt felts and coatings .....	13-6	210.7	228.1	225.7	51.7	-1.1	5.6	-1.5	-0.7
Gypsum products <sup>2</sup> .....	13-7	219.5	222.2	222.4	7.3	0.1	2.2	0.7	0.1
Glass containers .....	13-8	173.2	173.6	176.1	8.0	1.4	0.2	-0.2	1.6
Motor vehicle parts <sup>2</sup> .....	14-12	120.7	121.6	121.9	3.0	0.2	0.2	0.2	0.2
Aircraft engines & engine parts (Dec 1985=100) .....	14-23	186.1	187.4	187.4	4.0	0.0	-0.2	1.0	0.1
Aircraft parts & aux. equip.,nec (June 1985=100) <sup>2</sup> .....	14-25	165.6	165.7	165.4	4.0	-0.2	-0.5	0.0	-0.2
Photographic supplies <sup>2</sup> .....	15-42	127.3	124.2	125.4	1.1	1.0	0.7	-3.0	1.0
Medical/surgical/personal aid devices .....	15-6	165.9	165.6	166.2	1.5	0.4	-0.2	0.1	0.2
<b>Crude materials for further processing .....</b>		<b>274.6</b>	<b>181.8</b>	<b>171.7</b>	<b>-25.0</b>	<b>-5.6</b>	<b>-18.6</b>	<b>-12.5</b>	<b>-5.3</b>
Crude foodstuffs and feedstuffs .....		170.6	144.6	135.9	-14.3	-6.0	-11.1	-1.2	-5.3
Wheat <sup>2</sup> .....	01-21	218.9	157.3	145.2	-45.4	-7.7	-19.1	-2.1	-7.7
Corn <sup>2</sup> .....	01-22-02	205.4	144.9	126.0	-24.0	-13.0	-24.2	-5.0	-13.0
Slaughter cattle <sup>2</sup> .....	01-31	148.0	133.1	121.3	-10.0	-8.9	-10.3	2.4	-8.9
Slaughter hogs .....	01-32	107.3	62.7	68.4	6.2	9.1	-9.3	-15.8	4.6
Slaughter broilers/fryers .....	01-41-02	208.5	204.9	217.3	22.4	6.1	7.0	2.8	9.8
Slaughter turkeys .....	01-42	186.9	168.8	139.7	-14.2	-17.2	-4.2	-14.3	-7.3
Fluid milk .....	01-6	137.8	130.4	119.2	-26.0	-8.6	-1.9	-0.1	-7.5
Soybeans <sup>2</sup> .....	01-83-01-31	203.0	147.2	135.1	-29.8	-8.2	-28.2	2.2	-8.2
Cane sugar, raw (Dec 2003=100) <sup>2</sup> .....	02-52-01-03	124.5	120.4	121.4	3.8	0.8	-1.0	-2.0	0.8
Crude nonfood materials .....		350.0	200.0	189.5	-31.2	-5.3	-22.5	-19.4	-5.2
Raw cotton <sup>2</sup> .....	01-51	97.5	84.6	89.8	-8.9	6.1	-5.9	-16.5	6.1
Hides and skins <sup>2</sup> .....	04-1	200.0	196.0	181.3	-7.8	-7.5	-0.4	-2.7	-7.5
Coal .....	05-1	170.1	170.8	169.9	29.2	-0.5	0.4	-0.5	-0.3
Natural gas <sup>2</sup> .....	05-31	355.7	205.6	235.8	-19.3	14.7	-29.1	-10.9	14.7
Crude petroleum <sup>2</sup> .....	05-61	321.6	150.6	103.9	-57.9	-31.0	-26.0	-30.2	-31.0
Logs, timber, etc <sup>2</sup> .....	08-5	219.9	212.9	208.1	-0.5	-2.3	-0.2	-2.5	-2.3
Wastepaper <sup>2</sup> .....	09-12	397.5	151.2	191.3	-51.9	26.5	-10.6	-57.1	26.5

See footnotes at end of table.

**Table 2. Producer price indexes and percent changes for selected commodity groupings by stage of processing — Continued**

[1982=100, unless otherwise indicated]

Grouping	Commodity code	Unadjusted index			Unadjusted percent change to Dec. 2008 from:		Seasonally adjusted percent change from:		
		Aug. 2008 <sup>1</sup>	Nov. 2008 <sup>1</sup>	Dec. 2008 <sup>1</sup>	Dec. 2007	Nov. 2008	Sept. to Oct.	Oct. to Nov.	Nov. to Dec.
Crude nonfood materials - Continued									
Iron ore <sup>2</sup> .....	10-11	145.2	145.2	145.2	12.1	0.0	0.0	0.0	0.0
Iron and steel scrap <sup>2</sup> .....	10-12	771.7	219.6	249.8	-40.7	13.8	-38.3	-41.7	13.8
Nonferrous metal ores (Dec 1983=100) <sup>2</sup> .....	10-21	267.7	204.0	184.6	-26.4	-9.5	-0.4	-20.2	-9.5
Copper base scrap <sup>2</sup> .....	10-23-01	555.8	240.3	228.0	-52.7	-5.1	-29.4	-35.3	-5.1
Aluminum base scrap .....	10-23-02	305.1	187.7	163.6	-38.1	-12.8	-22.0	-17.6	-13.3
Construction sand, gravel, and crushed stone .....	13-21	250.6	252.7	252.7	6.6	0.0	1.2	0.5	0.4
Industrial sand .....	13-99-01	220.9	230.6	231.1	18.3	0.2	0.5	3.0	0.0

<sup>1</sup> The indexes for August 2008 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject revision 4 months after original publication.

<sup>2</sup> Not seasonally adjusted.

"-" Data not available.

**Table 3. Producer price indexes for selected commodity groupings**  
[1982=100, unless otherwise indicated]

Grouping	Commodity code	Unadjusted index <sup>1</sup>		
		Aug. 2008	Nov. 2008	Dec. 2008
All commodities.....		199.0	177.5	171.3
<b>Major commodity groups</b>				
Farm products and processed foods and feeds.....		179.4	167.9	163.1
Farm products.....	01	164.7	143.3	134.3
Processed foods and feeds.....	02	187.3	181.3	178.9
Industrial commodities.....		202.4	179.0	172.6
Textile products and apparel.....	03	130.1	130.3	129.4
Hides, skins, leather, and related products.....	04	174.9	174.6	171.7
Fuels and related products and power.....	05	237.9	162.5	146.3
Chemicals and allied products.....	06	263.3	245.5	230.9
Rubber and plastic products.....	07	169.7	172.9	170.1
Lumber and wood products.....	08	193.5	188.9	187.6
Pulp, paper, and allied products.....	09	229.6	227.8	228.0
Metals and metal products.....	10	230.9	196.8	188.9
Machinery and equipment.....	11	130.5	131.2	131.0
Furniture and household durables.....	12	150.3	152.4	152.3
Nonmetallic mineral products.....	13	202.7	205.8	203.9
Transportation equipment.....	14	157.6	161.8	162.2
Miscellaneous products.....	15	218.4	218.5	217.7
Industrial commodities less fuels and related products and power.....		186.6	180.7	177.6
<b>Other commodity groupings</b>				
Fruits and melons, fresh and dry vegetables, and tree nuts.....	01-1	140.7	159.1	148.9
Grains.....	01-2	209.8	150.7	134.0
Slaughter livestock.....	01-3	141.5	116.4	109.9
Slaughter poultry.....	01-4	201.2	194.9	199.3
Plant and animal fibers.....	01-5	98.4	85.5	90.7
Chicken eggs.....	01-7	163.7	184.2	166.9
Hay, hayseeds, and oilseeds.....	01-8	238.8	186.2	173.4
Oilseeds.....	01-83	219.2	164.3	152.1
Cereal and bakery products.....	02-1	233.0	226.9	225.5
Meats, poultry, and fish.....	02-2	160.6	153.0	150.4
Processed poultry.....	02-22	141.9	138.4	136.5
Sugar and confectionery.....	02-5	182.5	190.1	190.5
Beverages and beverage materials.....	02-6	173.5	175.4	175.2
Packaged beverage materials.....	02-63	177.6	178.6	177.9
Fats and oils.....	02-7	322.1	260.4	247.1
Apparel.....	03-81	128.0	128.4	128.4
Other leather and related products.....	04-4	159.2	159.5	159.3
Gas fuels.....	05-3	367.9	196.1	209.6
Electric power.....	05-4	183.2	177.2	177.8
Refined petroleum products.....	05-7	313.3	176.0	132.3
Drugs and pharmaceuticals.....	06-3	346.4	349.9	352.7
Agricultural chemicals and products.....	06-5	332.2	309.9	278.5
Other chemicals and allied products.....	06-7	174.9	178.9	179.1
Rubber and rubber products.....	07-1	158.6	165.6	161.6
Rubber, except natural rubber.....	07-11	224.9	241.5	222.2
Miscellaneous rubber products.....	07-13	166.0	170.5	169.1
Plastic products.....	07-2	179.6	181.8	179.2
Lumber.....	08-1	167.3	156.1	154.3
Pulp, paper, and products, excluding building paper and board.....	09-1	203.3	200.3	200.5
Converted paper and paperboard products.....	09-15	201.7	207.0	205.8
Iron and steel.....	10-1	294.4	211.0	193.6
Nonferrous metals.....	10-2	257.4	201.2	188.0
Nonferrous mill shapes.....	10-25	219.3	188.7	177.0
Metalworking machinery and equipment.....	11-3	170.2	171.8	172.1
General purpose machinery and equipment.....	11-4	195.9	198.5	198.7
Special industry machinery.....	11-6	188.0	189.9	190.3
Electrical machinery and equipment.....	11-7	113.7	113.8	113.5
Miscellaneous machinery and equipment.....	11-9	167.1	168.3	167.7
Other household durable goods.....	12-6	174.3	175.8	176.1
Concrete ingredients.....	13-2	231.5	233.0	232.6
Motor vehicles and equipment.....	14-1	132.4	136.8	137.2
Toys, sporting goods, small arms, etc.....	15-1	144.9	147.0	145.8
Photographic equipment and supplies.....	15-4	113.0	110.9	111.8
Other miscellaneous products.....	15-9	162.1	158.7	158.3

<sup>1</sup> Data for August 2008 have been revised to reflect the availability of late reports and corrections by respondents. All data are subject to revision 4 months after original publication.

**Table 4. Producer price indexes for the net output of selected industries and industry groups, not seasonally adjusted**

Industry <sup>1</sup>	Industry code	Index base	Index			Percent change to Dec. 2008 from:	
			Aug. 2008 <sup>2</sup>	Nov. 2008 <sup>2</sup>	Dec. 2008 <sup>2</sup>	Dec. 2007	Nov. 2008
<b>Total mining, utilities, and manufacturing industries.</b>		12/06	116.9	108.1	105.1	-1.0	-2.8
<b>Total mining industries.</b>		12/84	299.2	183.4	171.5	-31.3	-6.5
Oil and gas extraction	211	12/85	383.6	194.9	177.9	-43.7	-8.7
Mining (except oil & gas)	212	12/03	190.4	179.6	175.2	8.7	-2.4
Mining support activities	213	12/03	177.1	180.9	177.1	7.4	-2.1
<b>Utilities.</b>	221	12/03	145.7	134.8	134.4	5.5	-0.3
<b>Total manufacturing industries.</b>		12/84	182.6	169.5	164.2	-1.6	-3.1
Food mfg.	311	12/84	180.5	174.6	172.2	5.8	-1.4
Beverage & tobacco mfg.	312	12/03	114.8	115.7	115.8	4.1	0.1
Textile mills	313	12/84	114.2	115.0	113.4	3.8	-1.4
Textile product mills	314	12/03	113.7	114.2	114.4	3.8	0.2
Apparel manufacturing	315	12/03	102.5	102.8	102.8	1.3	0.0
Leather and allied product manufacturing	316	12/84	154.1	155.1	154.7	2.4	-0.3
Wood product manufacturing	321	12/03	109.1	106.6	105.9	-0.2	-0.7
Paper manufacturing	322	12/03	124.5	127.4	127.1	7.7	-0.2
Printing and related support activities	323	12/03	110.0	110.0	110.2	2.6	0.2
Petroleum and coal products manufacturing	324	12/84	382.2	222.3	169.1	-41.4	-23.9
Chemical mfg.	325	12/84	238.2	235.4	230.1	9.4	-2.3
Plastics and rubber products mfg.	326	12/84	165.2	167.9	165.1	7.8	-1.7
Nonmetallic mineral product mfg.	327	12/84	171.9	174.0	174.3	4.4	0.2
Primary metal mfg.	331	12/84	233.5	201.8	184.7	-2.1	-8.5
Fabricated metal product mfg.	332	12/84	178.8	179.4	178.4	8.6	-0.6
Machinery mfg.	333	12/03	118.3	119.4	119.5	5.7	0.1
Computer & electronic product mfg.	334	12/03	92.7	92.8	92.7	0.1	-0.1
Electrical equipment, appliance & component mfg.	335	12/03	129.3	126.8	126.5	1.7	-0.2
Transportation equipment mfg.	336	12/03	106.5	109.4	109.5	3.3	0.1
Furniture & related product mfg.	337	12/84	173.5	175.6	175.2	5.3	-0.2
Miscellaneous mfg.	339	12/03	110.5	110.7	110.7	2.8	0.0
<b>Total trade industries.</b>		12/06	110.1	110.6	111.1	6.9	0.5
<b>Total wholesale trade industries.</b>		12/06	111.4	113.1	115.4	12.0	2.0
Merchant wholesalers, durable goods	423	06/04	118.1	119.2	119.3	6.6	0.1
Merchant wholesalers, nondurable goods	424	06/05	124.0	126.9	132.7	20.0	4.6
Wholesale trade agents and brokers	425	06/05	111.5	112.1	111.7	2.9	-0.4
<b>Total retail trade industries.</b>		12/06	109.2	109.0	108.2	3.5	-0.7
Motor vehicle and parts dealers	441	12/03	117.5	118.9	117.7	-0.3	-1.0
Furniture and home furnishings stores	442	12/03	122.0	122.4	121.8	2.4	-0.5
Electronics and appliance stores	443	12/03	111.0	114.1	112.8	26.3	-1.1
Bldg material and garden equip and supp dealers	444	12/03	120.6	118.4	115.9	-3.1	-2.1
Food and beverage stores	445	12/99	152.4	156.3	153.4	8.9	-1.9
Health and personal care stores	446	12/03	133.3	136.5	136.8	10.5	0.2
Gasoline stations	447	06/01	72.7	67.9	66.6	0.0	-1.9
Clothing and clothing accessories stores	448	12/03	112.2	107.4	109.1	2.2	1.6
Sporting goods hobby, book and music stores	451	12/03	113.4	114.4	112.4	5.5	-1.7
General merchandise stores	452	12/03	111.6	110.4	112.3	-0.1	1.7
Nonstore retailers	454	12/03	162.4	149.8	150.4	11.7	0.4
<b>Transportation and warehousing industries.</b>		12/06	116.0	112.6	109.5	2.7	-2.8
<b>Transportation industries.</b>		12/06	116.1	112.0	108.9	2.9	-2.8
Air transportation	481	12/92	213.0	206.7	198.0	5.8	-4.2
Rail transportation	482	12/96	164.3	158.5	154.6	4.5	-2.5
Water transportation	483	12/03	133.7	132.7	129.5	11.3	-2.4
Truck transportation	484	12/03	126.6	120.7	117.8	0.0	-2.4
Pipeline transportation of crude oil	486110	06/86	156.1	156.1	156.1	8.6	0.0
Refined petroleum product pipeline transport	486910	06/86	141.8	141.8	142.4	5.0	0.4
Transportation support activities	488	12/03	113.1	110.4	110.1	0.7	-0.3
<b>Delivery and warehouse industries.</b>		12/06	115.5	114.0	111.1	2.3	-2.5
Postal service	491	06/89	180.5	180.5	180.5	2.8	0.0
Couriers and messengers	492	12/03	148.2	144.0	136.4	1.6	-5.3
Warehousing and storage	493	12/06	107.3	107.9	107.7	3.6	-0.2
<b>Total traditional service industries.</b>		12/06	102.4	102.7	101.9	0.1	-0.8
<b>Information.</b>		12/06	102.5	102.2	102.2	1.2	0.0
Publishing industries, except Internet	511	12/03	111.1	111.0	110.7	2.0	-0.3
Broadcasting, except Internet	515	12/03	105.5	110.6	109.1	5.3	-1.4
Telecommunications	517	12/03	101.5	100.5	100.9	0.2	0.4
ISPs and Web search portals	5181	06/04	73.6	73.5	73.5	1.1	0.0
Data processing and related services	5182	12/03	101.0	101.1	100.9	0.5	-0.2

See footnotes at end of table.

**Table 4. Producer price indexes for the net output of selected industries and industry groups, not seasonally adjusted — Continued**

Industry <sup>1</sup>	Industry code	Index base	Index			Percent change to Dec. 2008 from:	
			Aug. 2008 <sup>2</sup>	Nov. 2008 <sup>2</sup>	Dec. 2008 <sup>2</sup>	Dec. 2007	Nov. 2008
<b>Selected health care industries.....</b>		12/06	104.9	105.4	105.5	1.5	0.1
Offices of physicians.....	6211	12/96	123.6	123.9	124.2	1.2	0.2
Medical and diagnostic laboratories.....	6215	12/03	106.9	107.8	107.9	1.1	0.1
Home health care services.....	6216	12/96	126.3	127.0	127.1	1.4	0.1
Blood and organ banks.....	621991	06/06	107.5	108.6	108.6	4.0	0.0
Hospitals.....	622	12/92	163.2	164.3	164.3	1.5	0.0
Nursing care facilities.....	6231	12/03	119.7	120.4	120.7	3.2	0.2
Residential mental retardation facilities.....	62321	12/03	118.7	118.7	118.9	3.8	0.2
<b>Other selected traditional service industries.....</b>		12/06	101.5	101.9	100.6	-0.7	-1.3
Depository credit intermediation.....	5221	12/03	100.8	105.6	99.2	-7.8	-6.1
Security, commodity contracts and like activity.....	523	12/03	120.2	115.1	112.3	-8.7	-2.4
Insurance carriers and related activities.....	524	12/03	110.3	110.5	110.8	2.2	0.3
Lessors of nonres bldg (exc miniwarehouse).....	53112	12/03	112.7	110.7	111.6	1.5	0.8
Lessors of miniwarehouse and self storage units.....	53113	12/03	115.3	115.5	115.7	4.9	0.2
Offices of real estate agents and brokers.....	5312	12/03	104.4	103.8	103.2	-6.1	-0.6
Automotive equipment rental and leasing.....	5321	06/01	135.0	130.1	124.1	4.2	-4.6
Other heavy machinery rental and leasing.....	532412	12/03	117.4	117.2	117.0	-1.5	-0.2
Legal services.....	5411	12/96	161.5	163.2	163.1	5.2	-0.1
Architectural, engineering and related services.....	5413	12/96	141.6	142.1	142.1	0.9	0.0
Management and technical consulting services.....	5416	06/06	106.1	106.6	106.5	1.7	-0.1
Advertising agencies.....	54181	12/03	106.3	106.3	106.3	1.1	0.0
Employment services.....	5613	12/96	123.4	124.1	124.2	1.6	0.1
Travel agencies.....	56151	12/03	98.8	101.4	101.4	1.2	0.0
Janitorial services.....	56172	12/03	109.3	109.3	108.8	0.1	-0.5
Waste collection.....	5621	12/03	113.3	113.3	110.2	1.7	-2.7
Computer training.....	61142	06/06	109.7	112.4	112.3	5.3	-0.1
Amusement and theme parks.....	71311	06/06	112.3	111.4	111.1	2.6	-0.3
Golf courses and country clubs.....	71391	12/05	107.0	106.5	106.8	2.1	0.3
Fitness and recreational sports centers.....	71394	12/04	100.8	100.0	100.2	-0.8	0.2
Accommodation.....	721	12/96	150.9	146.5	144.3	0.4	-1.5
Commercial machinery repair and maintenance.....	8113	06/06	106.3	106.3	106.3	2.5	0.0

1 Indexes in this table are derived from the net-output-weighted industry price indexes. Because of differences in coverage and aggregation methodology, they will generally not match the movements of similarly titled indexes which are derived from traditional commodity groupings.

2 The indexes for August 2008 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject to revision 4 months after original publication.

"-" Data not available.

NOTE: NAICS replaced the SIC system beginning with the release of PPI data for January 2004. See <http://www.bls.gov/ppi/ppinaics.htm> for details.

**Table 5. Producer price indexes by stage of processing, seasonally adjusted**  
 [1982=100]

Grouping	Index <sup>1</sup>					
	July 2008	Aug. 2008	Sept. 2008	Oct. 2008	Nov. 2008	Dec. 2008
Finished goods.....	183.9	182.3	181.5	176.5	172.6	169.3
Finished consumer goods.....	195.4	192.9	191.7	184.7	179.3	174.7
Finished consumer foods.....	180.6	181.1	181.5	181.2	181.2	178.5
Crude.....	170.8	166.1	170.8	175.1	173.8	155.2
Processed.....	181.6	182.6	182.6	181.8	181.9	180.8
Finished consumer goods, excluding foods.....	200.9	197.3	195.4	185.6	178.0	172.6
Nondurable goods less foods.....	228.3	222.4	219.4	204.4	192.7	184.2
Durable goods.....	140.9	141.7	141.9	142.4	142.4	143.1
Capital equipment.....	154.0	154.6	155.2	155.9	156.0	156.3
Manufacturing industries.....	158.0	158.6	159.5	159.8	159.7	159.6
Nonmanufacturing industries.....	152.5	153.2	153.7	154.5	154.8	155.1
Intermediate materials, supplies, and components.....	201.9	198.8	197.1	189.5	181.3	173.7
Materials and components for manufacturing.....	187.3	188.7	187.2	181.9	173.6	164.7
Materials for food manufacturing.....	186.6	186.7	184.6	179.5	178.4	172.9
Materials for nondurable manufacturing.....	234.9	238.9	237.1	226.1	206.9	188.0
Materials for durable manufacturing.....	219.1	218.9	213.1	204.4	191.8	177.9
Components for manufacturing.....	141.3	141.9	142.6	142.6	142.5	142.1
Materials and components for construction.....	209.7	212.8	214.4	213.0	210.6	208.0
Processed fuels and lubricants.....	243.8	221.5	214.6	191.2	172.3	158.2
Manufacturing industries.....	227.1	215.1	209.4	191.2	172.1	161.6
Nonmanufacturing industries.....	251.1	224.6	217.3	191.7	173.0	157.4
Containers.....	191.9	195.1	198.2	199.4	199.4	198.3
Supplies.....	178.3	179.0	180.0	178.0	176.1	174.0
Manufacturing industries.....	171.8	172.9	174.2	173.8	173.7	173.0
Nonmanufacturing industries.....	178.4	179.0	179.9	177.5	175.2	172.8
Feeds.....	208.5	205.2	203.7	183.1	172.5	165.5
Other supplies.....	176.3	177.3	178.5	178.1	176.7	174.8
Crude materials for further processing.....	311.9	273.4	256.9	209.0	182.8	173.1
Foodstuffs and feedstuffs.....	176.6	168.1	165.9	147.5	145.8	138.0
Nonfood materials.....	414.7	350.1	321.2	248.8	200.5	190.1
Nonfood materials except fuel <sup>2</sup> .....	398.1	357.2	326.3	256.8	193.2	164.1
Manufacturing <sup>2</sup> .....	371.6	333.1	304.1	238.7	178.8	151.5
Construction.....	199.6	200.4	199.8	201.1	196.6	194.1
Crude fuel <sup>3</sup> .....	410.4	310.0	287.4	216.5	197.3	220.1
Manufacturing industries.....	387.6	294.9	274.1	208.6	190.9	211.9
Nonmanufacturing industries.....	419.9	316.9	293.8	221.0	201.4	224.8
<b>Special groupings</b>						
Finished goods, excluding foods.....	184.4	182.3	181.2	175.0	170.0	166.5
Intermediate materials less foods and feeds.....	202.3	199.0	197.4	190.0	181.5	173.8
Intermediate foods and feeds.....	194.8	193.7	191.8	181.3	176.9	170.8
Crude materials less agricultural products <sup>2</sup> .....	428.1	360.3	330.2	255.0	205.8	195.6
Finished energy goods.....	206.4	196.4	190.5	166.1	147.5	133.8
Finished goods less energy.....	170.6	171.3	171.9	172.3	172.4	172.0
Finished consumer goods less energy.....	178.0	178.7	179.3	179.5	179.7	178.9
Finished goods less foods and energy.....	167.5	168.3	168.9	169.6	169.8	170.1
Finished consumer goods less foods and energy.....	176.7	177.6	178.3	178.9	179.1	179.6
Consumer nondurable goods less foods and energy.....	207.7	208.7	209.9	210.6	211.0	211.3
Intermediate energy goods.....	247.4	227.6	217.9	194.8	170.8	154.5
Intermediate materials less energy.....	187.9	189.0	189.5	185.8	181.6	176.1
Intermediate materials less foods and energy.....	187.5	188.7	189.4	186.1	181.9	176.5
Crude energy materials <sup>2</sup> .....	426.6	339.4	311.7	234.0	190.2	178.8
Crude materials less energy.....	229.8	220.5	212.0	183.8	169.5	162.1
Crude nonfood materials less energy <sup>3</sup> .....	385.9	375.0	344.1	285.7	227.3	222.4

1 All seasonally adjusted indexes are subject to change up to 5 years after original publication due to the recalculation of seasonal factors each January. The indexes for August 2008 have been recalculated to incorporate late reports and corrections by respondents.

2 Includes crude petroleum.

3 Excludes crude petroleum.