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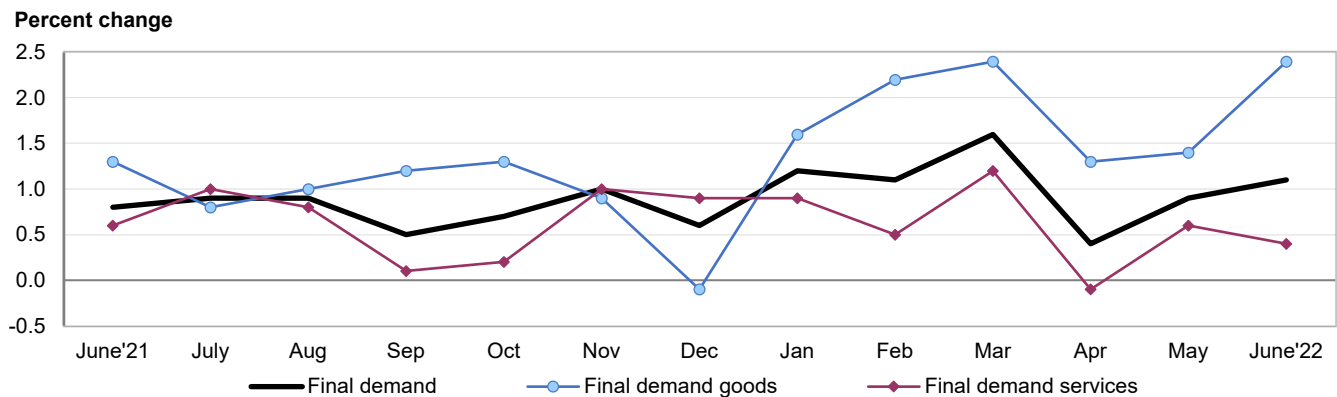
## PRODUCER PRICE INDEXES – JUNE 2022

The Producer Price Index for final demand increased 1.1 percent in June, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. This rise followed advances of 0.9 percent in May and 0.4 percent in April. (See table A.) On an unadjusted basis, final demand prices moved up 11.3 percent for the 12 months ended in June, the largest increase since a record 11.6-percent jump in March 2022.

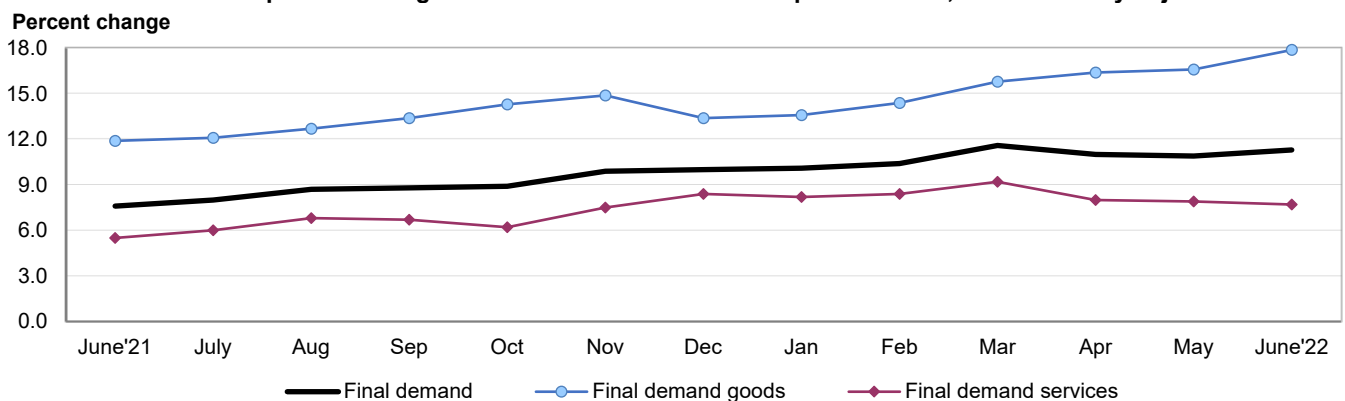
In June, three-fourths of the advance in the index for final demand was due to a 2.4-percent rise in prices for final demand goods. The index for final demand services increased 0.4 percent.

Prices for final demand less foods, energy, and trade services moved up 0.3 percent in June after advancing 0.4 percent in both May and April. For the 12 months ended in June, the index for final demand less foods, energy, and trade services rose 6.4 percent.

**Chart 1. One-month percent changes in selected PPI final demand price indexes, seasonally adjusted**



**Chart 2. Twelve-month percent changes in selected PPI final demand price indexes, not seasonally adjusted**



## Final Demand

**Final demand goods:** The index for final demand goods moved up 2.4 percent in June, the sixth consecutive rise. Nearly 90 percent of the June increase can be traced to a 10.0-percent jump in prices for final demand energy. The indexes for final demand goods less foods and energy and for final demand foods advanced 0.5 percent and 0.1 percent, respectively.

*Product detail:* Over half of the June increase in the index for final demand goods is attributable to gasoline prices, which jumped 18.5 percent. The indexes for diesel fuel, electric power, residential natural gas, motor vehicles and equipment, and processed young chickens also moved higher. In contrast, prices for chicken eggs dropped 30.2 percent. The indexes for iron and steel scrap and for jet fuel also decreased. (See table 2.)

**Final demand services:** The index for final demand services rose 0.4 percent in June after climbing 0.6 percent in May. Two-thirds of the broad-based advance in June can be traced to a 0.8-percent increase in margins for final demand trade services. (Trade indexes measure changes in margins received by wholesalers and retailers.) Prices for final demand services less trade, transportation, and warehousing and for final demand transportation and warehousing services also moved higher, 0.1 percent and 0.8 percent, respectively.

*Product detail:* Over 30 percent of the June advance in the index for final demand services can be traced to margins for food and alcohol retailing, which rose 3.8 percent. The indexes for machinery and equipment wholesaling, outpatient care (partial), transportation of passengers (partial), guestroom rental, and hospital inpatient care also increased. Conversely, prices for portfolio management declined 2.7 percent. The indexes for automobile retailing (partial) and for long-distance motor carrying also moved lower.

**Table A. Monthly and 12-month percent changes in selected final demand price indexes, seasonally adjusted**

Month	Total final demand	Final demand less foods, energy, and trade	Final demand goods				Final demand services				Change in final demand from 12 months ago (unadj.)	Change in final demand less foods, energy, and trade from 12 mo. ago (unadj.)	
			Total	Foods	Energy	Less foods and energy	Total	Trade	Transportation and warehousing	Other			
<b>2021</b>													
June...	0.8	0.6	1.3	0.8	2.9	1.0	0.6	0.8	1.4	0.4	7.6	5.6	
July...	0.9	0.7	0.8	-0.9	2.2	0.8	1.0	1.7	2.5	0.5	8.0	6.0	
Aug...	0.9	0.4	1.0	2.1	1.3	0.6	0.8	2.1	0.8	0.2	8.7	6.2	
Sept...	0.5	0.3	1.2	2.1	2.5	0.6	0.1	0.0	-1.0	0.3	8.8	6.1	
Oct....	0.7	0.4	1.3	-0.1	5.0	0.7	0.2	0.5	1.1	-0.1	8.9	6.2	
Nov....	1.0	0.8	0.9	1.3	0.9	0.8	1.0	1.3	2.8	0.6	9.9	7.0	
Dec....	0.6	0.4	-0.1	-0.2	-1.4	0.4	0.9	1.9	1.6	0.3	10.0	7.0	
<b>2022</b>													
Jan. ...	1.2	0.8	1.6	1.8	4.1	0.8	0.9	1.3	0.0	0.8	10.1	6.9	
Feb. <sup>1</sup> ..	1.1	0.2	2.2	1.9	7.2	0.8	0.5	1.7	2.0	-0.3	10.4	6.7	
Mar. <sup>1</sup> ..	1.6	1.0	2.4	2.4	6.6	1.1	1.2	1.8	5.6	0.4	11.6	7.1	
Apr. <sup>1</sup> ...	0.4	0.4	1.3	1.5	1.6	1.1	-0.1	-0.3	2.0	-0.3	11.0	6.8	
May <sup>1</sup> ...	0.9	0.4	1.4	0.5	4.6	0.6	0.6	1.0	2.7	0.1	10.9	6.7	
June...	1.1	0.3	2.4	0.1	10.0	0.5	0.4	0.8	0.8	0.1	11.3	6.4	

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for February 2022 through May 2022 have been revised to reflect the availability of late reports and corrections by respondents.

## Intermediate Demand by Commodity Type

Within intermediate demand in June, prices for processed goods advanced 2.3 percent, the index for unprocessed goods increased 9.5 percent, and prices for services were unchanged. (See tables B and C.)

**Processed goods for intermediate demand:** The index for processed goods for intermediate demand moved up 2.3 percent in June, the sixth consecutive advance. Most of the broad-based increase in June can be traced to a 9.9-percent rise in prices for processed energy goods. The indexes for processed materials less foods and energy and for processed foods and feeds also moved higher, both advancing 0.2 percent in June. For the 12 months ended in June, prices for processed goods for intermediate demand jumped 22.2 percent.

*Product detail:* Forty percent of the June increase in the index for processed goods for intermediate demand can be attributed to a 13.9-percent rise in prices for diesel fuel. The indexes for gasoline, utility natural gas, commercial electric power, lubricating oil base stocks, and plastic resins and materials also advanced. In contrast, prices for softwood lumber dropped 22.6 percent. The indexes for jet fuel and for fresh sausage also moved lower.

**Unprocessed goods for intermediate demand:** The index for unprocessed goods for intermediate demand climbed 9.5 percent in June, the sixth consecutive advance. Leading the June increase, prices for unprocessed energy materials rose 20.4 percent. The index for unprocessed foodstuffs and feedstuffs advanced 0.2 percent. Conversely, prices for unprocessed nonfood materials less energy fell 2.2 percent. For the 12 months ended in June, the index for unprocessed goods for intermediate demand surged 58.0 percent, the largest increase since a 59.2-percent jump for the 12 months ended April 2021.

*Product detail:* Nearly 60 percent of the June increase in prices for unprocessed goods for intermediate demand can be traced to the index for natural gas, which jumped 24.3 percent. Prices for crude petroleum; corn; slaughter cattle; oilseeds; and construction sand, gravel, and crushed stone also rose. In contrast, the index for iron and steel scrap fell 10.4 percent. Prices for ungraded chicken eggs and for nonferrous scrap also decreased.

**Table B. Monthly and 12-month percent changes in selected intermediate demand price indexes for goods by commodity type, seasonally adjusted**

Month	Processed goods for intermediate demand					Unprocessed goods for intermediate demand				
	Total	Foods and feeds	Energy goods	Less foods and energy	Total, change from 12 months ago (unadj.)	Total	Food-stuffs and feed-stuffs	Energy materials	Nonfood materials less energy	Total, change from 12 months ago (unadj.)
<b>2021</b>										
June.....	1.7	1.6	0.8	2.0	23.0	2.1	-0.5	5.6	1.0	52.9
July.....	1.6	-0.6	3.4	1.4	23.1	3.2	-1.0	9.7	0.6	56.0
Aug.....	1.0	1.5	0.0	1.1	23.0	1.4	3.0	0.2	1.4	52.5
Sept.....	1.2	1.5	2.1	0.9	23.8	2.8	0.8	8.0	-1.8	48.5
Oct.....	2.4	-0.4	6.7	1.6	25.7	6.0	-2.2	17.7	-1.5	55.5
Nov.....	1.5	0.1	2.5	1.4	26.6	2.3	1.3	2.3	3.4	49.6
Dec.....	-0.1	0.1	-2.7	0.6	24.4	-4.8	3.8	-12.1	-1.8	40.0
<b>2022</b>										
Jan.....	2.2	2.6	4.7	1.5	24.8	3.1	2.9	4.2	1.1	36.4
Feb. <sup>1</sup> .....	1.5	2.1	5.8	0.4	23.3	9.8	5.4	18.2	1.5	33.5
Mar. <sup>1</sup> .....	2.3	2.1	7.3	0.9	22.1	2.7	7.6	-4.3	9.1	43.1
Apr. <sup>1</sup> .....	2.1	3.1	5.0	1.2	22.1	5.6	4.3	9.1	1.9	49.9
May <sup>1</sup> .....	2.1	1.1	4.2	1.6	21.5	6.2	0.2	16.7	-4.2	47.5
June.....	2.3	0.2	9.9	0.2	22.2	9.5	0.2	20.4	-2.2	58.0

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for February 2022 through May 2022 have been revised to reflect the availability of late reports and corrections by respondents.

**Services for intermediate demand:** The index for services for intermediate demand was unchanged in June, following seven consecutive advances. In June, a 0.2-percent increase in margins for trade services for intermediate demand offset decreases in the indexes for services less trade, transportation, and warehousing for intermediate demand and for transportation and warehousing services for intermediate demand, which fell 0.1 and 0.2 percent respectively. For the 12 months ended in June, prices for services for intermediate demand rose 6.3 percent.

*Product detail:* Within the index for services for intermediate demand in June, margins for machinery and equipment parts and supplies wholesaling moved up 2.1 percent. Prices for loan services (partial); transportation of passengers (partial); gross rents for retail properties; and warehousing, storage, and related services also increased. In contrast, the index for securities brokerage, dealing, investment advice, and related services fell 4.4 percent. The indexes for portfolio management; television advertising time sales; arrangement of freight and cargo transportation; and metals, minerals, and ores wholesaling also declined.

**Table C. Monthly and 12-month percent changes in selected intermediate demand price indexes for services by commodity type, seasonally adjusted**

Month	Services for intermediate demand				Total, change from 12 months ago (unadj.)
	Total	Trade	Transportation and warehousing	Other	
<b>2021</b>					
June.....	1.2	2.5	2.0	0.6	9.3
July.....	0.6	1.1	0.7	0.4	9.5
Aug.....	0.4	1.9	0.8	-0.2	9.0
Sept.....	0.3	-1.2	2.5	0.4	8.2
Oct.....	0.0	0.6	0.5	-0.3	7.4
Nov.....	0.6	-0.6	1.0	0.9	8.1
Dec.....	0.8	1.5	1.6	0.5	8.3
<b>2022</b>					
Jan.....	0.8	1.4	0.6	0.6	7.9
Feb. <sup>1</sup> .....	0.2	1.4	0.4	-0.2	7.8
Mar. <sup>1</sup> .....	1.2	4.0	2.1	0.0	8.3
Apr. <sup>1</sup> .....	0.7	0.6	1.7	0.6	7.8
May <sup>1</sup> .....	0.4	0.4	0.9	0.3	7.6
June.....	0.0	0.2	-0.2	-0.1	6.3

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for February 2022 through May 2022 have been revised to reflect the availability of late reports and corrections by respondents.

### **Intermediate Demand by Production Flow**

**Stage 4 intermediate demand:** The index for stage 4 intermediate demand moved up 0.6 percent in June following a 0.8-percent increase in May. In June, prices for total goods inputs to stage 4 intermediate demand advanced 1.3 percent, while the index for total services inputs was unchanged. (See table D.) Increases in the indexes for gasoline, machinery and equipment parts and supplies wholesaling, commercial electric power, diesel fuel, utility natural gas, and loan services (partial) outweighed declining prices for securities brokerage, dealing, investment advice, and related services; portfolio management; and softwood lumber. For the 12 months ended in June, the index for stage 4 intermediate demand rose 10.8 percent.

**Stage 3 intermediate demand:** The index for stage 3 intermediate demand advanced 0.9 percent in June after moving up 1.6 percent in May. In June, prices for total goods inputs to stage 3 intermediate demand rose 1.9 percent. Conversely, the index for total services inputs fell 0.3 percent. Increasing prices for diesel fuel, gasoline, slaughter cattle, corn, raw milk, and loan services (partial) outweighed decreasing indexes for television advertising time sales, ungraded chicken eggs, and cold rolled steel sheet and strip. For the 12 months ended in June, prices for stage 3 intermediate demand advanced 18.1 percent.

**Stage 2 intermediate demand:** The index for stage 2 intermediate demand rose 5.4 percent in June, the largest increase since moving up 5.5 percent in February 2021. In June, prices for total goods inputs to stage 2 intermediate demand jumped 9.9 percent, and the index for total services inputs increased 0.3 percent. Advances in the indexes for gas fuels, crude petroleum, loan services (partial), oilseeds, coal, and machinery and equipment parts and supplies wholesaling outweighed declines in prices for iron and steel scrap, arrangement of freight and cargo transportation, and softwood lumber. For the 12 months ended in June, the index for stage 2 intermediate demand jumped 29.4 percent, the largest increase since 12-month data were first calculated in November 2010.

**Stage 1 intermediate demand:** The index for stage 1 intermediate demand advanced 1.4 percent in June after increasing 1.3 percent in May. In June, prices for total goods inputs to stage 1 intermediate demand rose 2.8 percent. In contrast, the index for total services inputs fell 0.3 percent. Higher prices for diesel fuel, utility natural gas, gasoline, commercial electric power, guestroom rental, and transportation of passengers (partial) outweighed declines in the indexes for securities brokerage, dealing, investment advice, and related services; iron and steel scrap, and cold rolled steel sheet and strip. For the 12 months ended in June, prices for stage 1 intermediate demand jumped 15.8 percent.

**Table D. Monthly percent changes in selected intermediate demand price indexes by production flow, seasonally adjusted**

Month	Stage 4 intermediate demand			Stage 3 intermediate demand			Stage 2 intermediate demand			Stage 1 intermediate demand		
	Total	Goods inputs	Ser-vices inputs	Total	Goods inputs	Ser-vices inputs	Total	Goods inputs	Ser-vices inputs	Total	Goods inputs	Ser-vices inputs
<b>2021</b>												
June.....	1.3	1.5	1.1	1.6	1.8	1.3	2.1	3.1	1.2	1.5	1.6	1.5
July.....	1.0	1.0	1.0	1.0	1.6	0.4	2.3	4.3	0.6	1.4	2.1	0.8
Aug.....	0.7	0.9	0.6	1.0	1.6	0.4	0.7	0.9	0.5	0.8	1.3	0.5
Sept.....	0.4	0.8	0.1	1.1	1.2	1.0	2.2	3.6	0.9	0.2	0.7	-0.3
Oct.....	0.6	1.3	0.0	1.0	1.9	0.2	3.7	7.9	-0.1	1.1	2.5	-0.3
Nov.....	1.1	1.5	0.7	0.8	1.2	0.4	1.2	1.7	0.7	1.3	2.0	0.5
Dec.....	0.7	0.5	0.8	0.8	0.7	0.9	-2.2	-5.6	1.2	0.4	0.0	0.8
<b>2022</b>												
Jan.....	1.5	2.1	1.0	1.6	2.6	0.7	1.4	2.7	0.1	1.4	1.8	1.0
Feb. <sup>1</sup> .....	0.6	1.2	0.0	1.4	2.6	0.1	4.3	8.4	0.3	1.0	1.6	0.2
Mar. <sup>1</sup> .....	1.1	1.6	0.7	3.1	4.6	1.5	0.7	0.2	1.3	2.7	3.3	2.0
Apr. <sup>1</sup> .....	0.9	1.3	0.6	2.5	3.8	1.1	2.7	4.7	0.8	1.7	2.7	0.6
May <sup>1</sup> .....	0.8	1.3	0.4	1.6	2.4	0.6	3.8	7.4	0.1	1.3	2.1	0.6
June.....	0.6	1.3	0.0	0.9	1.9	-0.3	5.4	9.9	0.3	1.4	2.8	-0.3

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for February 2022 through May 2022 have been revised to reflect the availability of late reports and corrections by respondents.

**The Producer Price Index for July 2022 is scheduled to be released on Thursday, August 11, 2022, at 8:30 a.m. (ET).**

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### Resampling of Industries – June 2022

Effective with the release of data for June 2022, the Producer Price Index (PPI) includes data for 9 resampled industries and 1 newly introduced industry classified according to the 2017 North American Industry Classification System (NAICS). The Bureau of Labor Statistics periodically updates the sample of producers providing data for the PPI to reflect current conditions more accurately when the structure, membership, technology, or product mix of an industry shifts. The first results of this systematic process were published in July 1986. Subsequent efforts have been completed at regular intervals.

For information on index additions, deletions, and recodes effective June 2022, see the current issue of the PPI Detailed Report online at [www.bls.gov/ppi/detailed-report/ppi-detailed-report-june-2022.pdf](http://www.bls.gov/ppi/detailed-report/ppi-detailed-report-june-2022.pdf), or contact the PPI Section of Index Analysis and Public Information at [ppi-info@bls.gov](mailto:ppi-info@bls.gov) or (202) 691-7705.

#### *NAICS*

<i>Code</i>	<i>Industry</i>
236224	New health care building construction
311351	Chocolate and confectionery manufacturing from cacao
313110	Fiber, yarn, and thread mills
321219	Reconstituted wood product manufacturing
325413	In-vitro diagnostic substance manufacturing
327110	Pottery, ceramics, and plumbing fixture manufacturing
334412	Bare printed circuit board manufacturing
486210	Pipeline transportation of natural gas*
511210	Software publishers
517311	Wired telecommunications carriers

\* For further discussion of this newly introduced PPI, see the June 2022 issue of the PPI Detailed Report.

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## **PPI Introduces Detailed Indexes for Defense and Non-defense Government Purchases**

Effective with the release of Producer Price Index (PPI) data for June 2022, the Bureau of Labor Statistics introduced two PPI special grouping indexes to the Final Demand portion of the Final Demand-Intermediate Demand (FD-ID) aggregation system. Under the Government Purchases section of Final demand, PPI is introducing sub-indexes that reflect changes in prices for defense-related and non-defense-related government purchases. Historical data for the new indexes will go back to 2015. The official index codes and titles for the new indexes are provided below.

- \* FD49405 – Government purchases, defense
- \* FD49406 – Government purchases, non-defense

These indexes, constructed at the request of the U.S. Department of Defense, are calculated using weight data from the Bureau of Economic Analysis (BEA) Input/Output (I/O) Accounts. The BEA I/O data provide detailed commodity use information for the Government purchases sector. Allocations based on the detailed I/O data are being applied to the weights of the existing PPI Government purchases index to calculate detailed weights for the new sub-indexes.

Data for the two new indexes appear under the Special Groupings heading of the Final Demand section of tables 1 and 3 of this release, and in tables 1, 3, 4, and 5 of the PPI Detailed Report.

For further information, contact the PPI Section of Index Analysis and Public Information at [ppi-info@bls.gov](mailto:ppi-info@bls.gov) or (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 measures the average change over time in prices received (price changes) by producers for domestically produced goods, services, and construction. 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.

More than 10,000 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. Over time, new PPIs have been introduced for products of industries in the services and construction sectors of the U.S. economy. As of January 2018, the PPI covered 71 percent of services as measured by 2012 Census revenue, and 31 percent of construction.

More than 100,000 price quotations per month are organized into three sets of PPIs: (1) Final demand-Intermediate demand (FD-ID) indexes, (2) commodity indexes, and (3) indexes for the net output of industries and their products. The FD-ID structure organizes products by class of buyer and degree of fabrication as well as by stage of production. The commodity structure organizes products by similarity of end use or product type. The entire output of various industries is sampled to derive price indexes for the net output of industries and their products.

### Final Demand–Intermediate Demand Indexes

The PPI FD-ID structure measures price change for goods, services, and construction sold to final demand and to intermediate demand. The FD-ID system replaced the PPI stage-of-processing (SOP) system as PPI's primary aggregation model with the release of data for January 2014. The FD-ID model expands coverage beyond that of the SOP system through the addition of services, construction, exports, and government purchases.

Compared with finished goods under the SOP system, the PPI for final demand goods includes nearly a 50 percent expansion of coverage. This increase can be traced to the addition of government purchases and exports. For overall final demand, expansion to include final demand services represents an even larger increase in coverage. In December 2017, final demand goods were about 33 percent of overall final demand, final demand services were roughly 65.5 percent, and final demand construction was about 1.5 percent of final demand. Within intermediate demand, coverage of services for intermediate demand resulted in about a 45 percent increase in coverage of the intermediate demand portion of the economy.

FD-ID indexes are constructed from commodity-based producer output price indexes. Commodities are allocated to aggregate indexes primarily based on the type of buyer. The main source of data used to determine the type of buyer is the "Use of commodities by industries, before redefinition," table

from the Benchmark Input-Output Accounts of the U.S. In many cases, the same commodity is purchased by different types of buyers. As a result, commodities are often included in several FD-ID indexes. For example, regular gasoline is purchased for personal consumption, export, government use, and business use. The PPI program publishes only one commodity index for regular gasoline (wpu057104), reflecting sales to all types of buyers, and this index is used in all aggregations regardless of whether the gasoline is sold for personal consumption, as an export, to government, or to businesses. Proportions based on BEA "Use of Commodities" data are used to allocate the correct portion of the total weight of gasoline to each use category. In cases when buyer type is an important price determining characteristic, indexes are created based on specific buyer type. For example, within the PPI category for loan services, separate indexes for consumer loans and business loans were constructed. For more information relating to the FD-ID structure, see "A new, experimental system of indexes from the PPI program" in the February 2011 *Monthly Labor Review*.

**Final Demand:** The final demand portion of the FD-ID structure measures price change for commodities sold for personal consumption, capital investment, government, and export. The system is composed of six main price indexes: final demand goods; final demand trade services; final demand transportation and warehousing services; final demand services less trade, transportation, and warehousing; final demand construction; and overall final demand.

The final demand goods index measures price change for both unprocessed and processed goods sold to final demand. Fresh fruits sold to consumers and computers sold for capital investment are examples of transactions included in the final demand goods price index. The final demand trade services index measures price change for the retailing and wholesaling of merchandise sold to final demand, generally without transformation. (Trade indexes measure changes in margins received by wholesalers and retailers.) The final demand transportation and warehousing services index tracks price change for transportation of passengers, as well as, transportation of cargo sold to final demand, and also includes prices for warehousing and storage of goods sold to final demand. The final demand services less trade, transportation, and warehousing index measures price change for all services other than trade and transportation sold to final demand. Publishing, banking, lodging, and health care are examples of these services. The final demand construction index tracks price change for new construction, as well as maintenance and repair construction sold to final demand. Construction of office buildings is an example of a commodity that would be included in the final demand construction index. Lastly, the overall final demand index tracks price change for all types of commodities sold to final demand by combining the five final demand component indexes described above.

**Intermediate Demand:** The intermediate demand portion of the FD-ID system tracks price change for goods, services, and construction products sold to businesses as inputs to



production, excluding capital investment. The system includes two parallel treatments of intermediate demand. The first treatment organizes intermediate demand commodities by type. The second organizes intermediate demand commodities into production stages, with the explicit goal of developing a forward-flow model of production and price change.

The intermediate demand by commodity type portion of the system organizes commodities by similarity of product. The system is composed of six main price indexes: unprocessed goods for intermediate demand; processed goods for intermediate demand; intermediate demand trade services; intermediate demand transportation and warehousing services; intermediate demand services less trade, transportation, and warehousing; and intermediate demand construction.

The unprocessed goods for intermediate demand price index measures price change for goods sold to businesses as inputs to production that have undergone no fabrication. Crude petroleum sold to refineries is an example of an unprocessed good sold to intermediate demand. The processed goods for intermediate demand index tracks price change for fabricated goods sold as business inputs. Examples include car parts sold to car manufacturers and gasoline sold to trucking companies. The index for trade services for intermediate demand measures price change for the services of retailing and wholesaling goods purchased by businesses as inputs to production. The intermediate demand transportation and warehousing services index measures price change for business travel, as well as, transportation and warehousing of cargo sold to intermediate demand. The intermediate demand services less trade, transportation, and warehousing index measures price change for services other than trade, transportation, and warehousing sold as inputs to production. Legal and accounting services purchased by businesses are examples of intermediate demand services excluding trade, transportation, and warehousing. Finally, the construction for intermediate demand index measures price change for construction purchased by firms as inputs to production. The index for construction for intermediate demand tracks price change for maintenance and repair construction purchased by firms.

The production flow treatment of intermediate demand is a stage-based system of price indexes. These indexes can be used to study price transmission across stages of production and final demand. This system is constructed in a manner that maximizes forward flow of production between stages, while minimizing back-flow of production. The production flow treatment contains four main indexes: intermediate demand stage 1, intermediate demand stage 2, intermediate demand stage 3, and intermediate demand stage 4.

Indexes for the four stages were developed by first assigning each industry in the economy to one of four stages of production, where industries assigned to the fourth stage primarily produce output consumed as final demand, industries in the third stage primarily produce output consumed by stage 4 industries, industries assigned to the second stage primarily produce output consumed by stage 3 industries, and industries assigned to the first stage produce output primarily consumed by stage 2 industries. The four indexes then track prices for the net inputs consumed by industries in each of the four stages of production. The stage 4

intermediate demand index, for example, tracks price change for inputs consumed, but not produced, by industries included in the fourth stage of production. Hence, the index tracks price change in inputs to industries that primarily produce final demand commodities (stage 4 producers primarily produce commodities sold to final demand).

Examples of heavily weighted goods-producing industries in stage 4 include the manufacture of light trucks and utility vehicles, automobiles, and pharmaceuticals. Retail trade, food service and drinking places, and hospitals are examples of heavily weighted service industries included in stage 4. Stage 4 also includes all new construction industries. Examples of goods consumed by stage 4 industries include motor vehicle parts, commercial electric power, plastic construction products, biological products, and beef and veal. Engineering services, machinery and equipment wholesaling, long distance motor carrying, and legal services constitute examples of services consumed by stage 4 industries.

Examples of highly weighted goods-producing industries included in stage 3 are motor vehicle parts manufacturing, animal (except poultry) slaughtering and processing, and semiconductor manufacturing. Services industries classified in stage 3 include wholesale trade; insurance carriers; architecture, engineering, and related services; and hotels and motels. Examples of goods consumed by stage 3 industries include slaughter steers and heifers, industrial electric power, and hot rolled steel bars, plates, and structural shapes. Services commonly consumed by stage 3 industries include commissions from sales of property and casualty insurance, business loans, temporary help services, and administrative and general management consulting services.

Petroleum refineries; electricity generation, transmission, and distribution; natural gas distribution; cattle ranching and farming; and plastic materials and resin manufacturing are among the goods-based industries assigned to stage 2. Services industries that are heavily weighted in stage 2 include management of companies and enterprises; non-depository credit intermediation; insurance agencies and brokerages; and services to buildings and dwellings. Goods commonly purchased by stage 2 industries include crude oil, natural gas, formula feeds, and primary basic organic chemicals. Services that are heavily weighted in the intermediate demand stage 2 index are legal services, business loans, and cellular phone and other wireless telecommunication.

Goods producing industries in stage 1 include oil and gas extraction, paper mills, and grain farming. Real estate, legal services, and advertising services are examples of highly weighted services industries included in stage 1. Examples of goods consumed by stage 1 industries are commercial and industrial electric power and gasoline. Services commonly consumed by stage 1 industries include solid waste collection, chemicals and allied products wholesaling, and guestroom or unit rental. It should be noted that all inputs purchased by stage 1 industries are by definition produced either within stage 1 or by latter stages of processing, leaving stage 1 less useful for price transmission analysis. For additional information on industry stage assignments, see [www.bls.gov/ppi/fd-id/ppi-intermediate-demand-by-production-flow-industry-stage-assignments.htm](http://www.bls.gov/ppi/fd-id/ppi-intermediate-demand-by-production-flow-industry-stage-assignments.htm).

## Comparing the PPI with CPI

Although some data users utilize the PPI as a potential indicator of the Consumer Price Index (CPI), there are many reasons why the PPI and the CPI may diverge. The scope of the personal consumption portion of the PPI includes all marketable output sold by domestic producers for households. The scope of the CPI includes goods and services provided by business or government, where explicit user charges are paid by consumers. For example, the most heavily weighted item in the CPI, owners' equivalent rent, is excluded from the PPI. The scope of the CPI includes imports. The PPI excludes imports. The CPI only includes components of personal consumption directly paid for by the consumers, while the PPI includes components of personal consumption that may not be paid for by consumers. For example, the PPI includes medical services paid for by third parties. In contrast to CPI, PPI does not completely cover services. PPIs exclude taxes, since they do not represent producer revenue. Conversely, sales and other taxes paid by consumers are part of household expenditure and are included in the CPI. Additional technical differences between PPI and CPI also exist. For more information see "Comparing new final demand producer price indexes with other Government price indexes," *Monthly Labor Review*, January 2014, at [www.bls.gov/opub/mlr/](http://www.bls.gov/opub/mlr/).

## Commodity Indexes

The commodity classification of the PPI organizes goods, services, and construction by similarity of product or end use, disregarding industry of origin. With the release of data for July 2009, PPI expanded its commodity structure to include indexes for services and construction products. Prior to this date, the PPI commodity structure only included products from goods producing sectors. Table 9 of the *PPI Detailed Report* includes data for commodity indexes, organized in a hierarchal structure, including major groupings, subgroups, product classes, sub-product classes, and individual items.

## 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 11 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), more detailed sub-products (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 that 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 for products chiefly made in some other industry. Some industries have miscellaneous receipts indexes that track price changes for 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 constructed using 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 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. The survey is conducted online via the BLS Internet Data Collection Facility (IDCF).

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 monthly revisions up to 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. Information on these resampling efforts are noted in the *PPI News Release* and *PPI Detailed Report* in the months they occur.

As part of an ongoing effort to expand coverage to sectors of the economy other than mining and manufacturing, an increasing number of service and construction sector industries have been introduced into the PPI. The following list of industries introduced since the mid-1990s includes the month and year in which an article describing the industry's content appeared in the *PPI Detailed Report*.

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

Title	Code	<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

Title	Code	PPI Detailed Report Issue
<b>SIC</b>		
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
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
New health care building construction...	236224	January 2013
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
Electronics and appliance stores .....	443	January 2004
Building material and garden equipment and supplies dealers.....	444	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
Internet publishing and web search portals .....	519130	January 2010
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

Title	Code	PPI Detailed Report Issue
<b>NAICS</b>		
Management consulting services .....	541610	January 2007
Security guards and patrol services .....	561612	July 2005
Offices of dentists .....	621210	January 2011
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 commodity groupings of the PPI, as well as, weights for commodity-based aggregate indexes calculated from commodity groupings, such as FD-ID indexes, currently reflect 2012 values of shipments as reported in the *Census of Manufactures* and other sources. From January 2012 to December 2017, PPI weights were derived from 2007 shipment values. Industry indexes now are calculated under the 2017 NAICS structure utilizing 2012 value of shipment weights and 2007 net output ratios. The 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 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 (which is composed of major commodity groupings 01 through 15), are affected by the multiple counting of price change at successive stages of processing, which can lead to exaggerated or misleading signals about inflation. The intermediate demand by commodity type FD-ID indexes partially correct for this defect, but industry indexes, final demand FD-ID indexes, and intermediate demand by production flow FD-ID indexes consistently correct for this at all levels of aggregation. Therefore, industry and FD-ID indexes are more appropriate than broad commodity groupings for analysis of general price trends.

## Price Index Reference Base

Effective with publication of January 1988 data, many important PPI series (including 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. The FD-ID indexes typically have a reference base of November 2009 = 100.

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

## 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 Final Demand 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 final demand goods have risen from \$100 in November 2009 to \$105.50. Likewise, a current index of 90.0 would indicate that prices received by producers of final demand goods are 10 percent lower than they were in November 2009.

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*

Final Demand 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 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 *Price Adjustment Guide for Contracting Parties*, on the Web at: [www.bls.gov/ppi/publications/price-adjustment-guide-for-contracting-parties.htm](http://www.bls.gov/ppi/publications/price-adjustment-guide-for-contracting-parties.htm).

Seasonal adjustment is accomplished using X-13 ARIMA, a software package published by the U.S. Census Bureau. 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 from the prior 5 years. 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 FD-ID 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; 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 almost 400 seasonally adjusted series, only 42 were subject to intervention in 2018.

For more information relating to seasonal adjustment methods, see “Summary of Changes to the PPI’s Seasonal Adjustment Methodology” in the January 1995 issue of *Producer Price Indexes*, and “PPI and CPI Seasonal Adjustment: an Update” in the July 2010 *Monthly Labor Review*.

## 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 4 million instances of PPI data and tables being downloaded from the BLS website during the 12 months ended December 31, 2017.

## 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)). On this page, under the tab labeled “Featured PPI databases” links provide 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 high-level aggregate and other commonly requested time series, including the All Commodities Index and the FD-ID indexes (for example, Final Demand). 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 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. 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 allows users to input multiple, formatted PPI time series identifiers (commodity or industry codes) as inputs 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. 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 FD-ID 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
wpufd4	Final demand, not seasonally adjusted
wpsid63	Services for intermediate demand, 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.

<u>Industry-product code, current NAICS series</u>	<u>Provides data for:</u>
pcu325---325---	Chemical manufacturing
pcu336110336110	Automobile and light duty motor vehicle manufacturing
pcu621111621111411	Offices of physicians, one- and two-physician practices and single-specialty group practices, general/family practice

**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 in 2004.)

<u>Industry-product code, discontinued SIC series</u>	<u>Provides data for:</u>
pdu28_#	Chemicals and allied products
pdu331_#	Blast furnaces, steel works, and rolling and finishing mills
pdu3711#111	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 group codes.

*Industry-product code,  
discontinued NAICS series*

ndu212231212231  
ndu2122312122312  
ndu212231212231214

*Provides data for*

Lead and zinc ore mining  
Lead, zinc concentrates  
Lead concentrates

- **Text Files** 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 tables and relative importance tables. The text files can be accessed at **download.bls.gov/** or directly from 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 (incl. FD-ID)	<b>/pub/time.series/wp</b>
Commodity Data – Discontinued	<b>/pub/time.series/wd</b>
Special requests	<b>/pub/special.requests/ppi</b>

## 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 “PPI Tables” 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). If you are deaf, hard of hearing, or have a speech disability, please dial 7-1-1 to access telecommunications relay services.

**Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted**  
[June 2022]

Grouping	Commodity code		Relative Importance Dec. 2021 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> June 2021 to June 2022 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>	May to June <sup>P</sup>
<b>Final Demand</b>									
Final demand.....	FD	4	100.000	11.3	1.1	1.6	0.4	0.9	1.1
Final demand goods.....	FD	41	33.128	17.9	2.2	2.4	1.3	1.4	2.4
Final demand foods.....	FD	411	5.743	12.7	1.9	2.4	1.5	0.5	0.1
Finished consumer foods <sup>3</sup> .....	FD	4111	4.425	12.7	1.6	2.1	1.4	0.6	-0.1
Finished consumer foods, crude.....	FD	41113	0.460	35.2	1.4	13.3	1.7	-0.5	-7.8
Finished consumer foods, processed.....	FD	41112	3.965	10.7	1.7	0.9	1.4	0.8	0.8
Government purchased foods.....	FD	4112	0.407	9.1	2.2	0.7	1.5	-0.4	0.2
Foods for export.....	FD	4113	0.911	14.4	3.1	4.7	1.7	0.0	1.0
Final demand energy.....	FD	412	5.972	54.4	7.2	6.6	1.6	4.6	10.0
Finished consumer energy goods <sup>3</sup> .....	FD	4121	4.773	49.1	6.8	5.0	-0.1	4.5	10.6
Government purchased energy.....	FD	4122	0.834	71.8	7.8	12.9	6.9	4.7	8.0
Energy for export.....	FD	4123	0.365	87.2	10.4	12.2	10.7	6.0	7.9
Final demand goods less foods and energy.....	FD	413	21.412	9.1	0.8	1.1	1.1	0.6	0.5
Finished goods less foods and energy <sup>3</sup> .....	FD	4131	12.084	8.8	1.0	0.7	1.0	0.8	0.7
Finished consumer goods less foods and energy.....	FD	41311	6.448	8.4	1.0	0.6	0.8	0.8	0.6
Nondurable consumer goods less foods and energy.....	FD	413111	4.061	8.3	0.9	0.5	0.7	1.0	0.7
Durable consumer goods.....	FD	413112	2.387	8.4	1.0	0.8	0.9	0.6	0.5
Private capital equipment.....	FD	41312	5.636	9.3	1.0	0.7	1.3	0.7	0.7
Private capital equipment for manufacturing industries.....	FD	413121	1.256	12.2	1.3	1.1	1.6	1.0	0.6
Private capital equipment for nonmanufacturing industries.....	FD	413122	4.380	8.5	1.0	0.6	1.2	0.6	0.8
Government purchased goods, excluding foods and energy.....	FD	4132	2.255	10.1	0.8	1.3	0.8	0.9	0.6
Government purchased goods excluding foods, energy, and capital equipment.....	FD	41321	1.338	13.3	1.1	1.4	1.1	1.2	0.8
Government purchased capital equipment.....	FD	41322	0.917	5.6	0.2	1.2	0.2	0.6	0.4
Goods for export, excluding foods and energy.....	FD	4133	7.073	9.2	0.5	1.6	1.4	0.3	0.0
Final demand services.....	FD	42	65.132	7.7	0.5	1.2	-0.1	0.6	0.4
Final demand trade services <sup>4</sup> .....	FD	423	20.434	14.8	1.7	1.8	-0.3	1.0	0.8
Trade of finished goods <sup>3</sup> .....	FD	4231	17.549	14.6	1.7	1.9	-0.4	0.9	0.8
Trade of personal consumption goods.....	FD	42311	14.295	13.2	1.3	2.2	-0.2	0.8	0.8
Trade of private capital equipment.....	FD	42312	3.254	20.9	3.1	0.6	-0.9	1.4	0.8
Trade of government purchased goods.....	FD	4232	0.761	18.6	2.3	2.0	-0.1	1.5	0.9
Trade of government purchased goods, excluding capital equipment.....	FD	42321	0.474	15.5	1.4	3.0	0.5	1.6	0.7
Trade of government purchased capital equipment.....	FD	42322	0.287	24.1	3.9	0.4	-1.1	1.3	1.1
Trade of exports.....	FD	4233	2.124	16.5	2.0	1.5	0.1	1.4	0.9
Final demand transportation and warehousing services.....	FD	422	4.396	23.0	2.0	5.6	2.0	2.7	0.8
Transportation of passengers for final demand.....	FD	4221	1.113	30.2	3.3	11.0	2.2	3.8	3.9
Transportation of private passengers.....	FD	42211	0.752	30.2	3.3	11.0	2.2	3.8	3.9
Transportation of government passengers.....	FD	42212	0.090	29.8	3.2	10.8	2.2	3.8	3.9
Transportation of passengers for export.....	FD	42213	0.271	30.7	3.3	11.1	2.2	3.9	4.0
Transportation and warehousing of goods for final demand.....	FD	4222	3.283	20.5	1.6	3.9	1.9	2.4	-0.3
Transportation and warehousing of finished goods <sup>3</sup> .....	FD	42221	2.160	21.0	1.6	4.0	1.9	2.4	-0.3
Transportation and warehousing of personal consumption goods.....	FD	422211	1.734	20.7	1.6	4.0	1.9	2.4	-0.3
Transportation and warehousing of private capital equipment.....	FD	422212	0.426	22.0	1.8	4.3	2.0	2.6	-0.3
Transportation and warehousing of government purchased goods.....	FD	42222	0.198	19.0	0.9	3.3	2.1	2.1	0.0
Transportation and warehousing of exports.....	FD	42223	0.925	19.9	1.6	3.6	2.0	2.4	-0.3
Final demand services less trade, transportation, and warehousing.....	FD	421	40.301	2.7	-0.3	0.4	-0.3	0.1	0.1
Finished services less trade, transportation, and warehousing <sup>3</sup> .....	FD	4211	35.337	2.9	-0.3	0.5	-0.3	0.0	0.2
Finished consumer services less trade, transportation, and warehousing.....	FD	42111	31.663	2.4	-0.3	0.4	-0.3	-0.1	0.2
Private capital investment services less trade, transportation, and warehousing.....	FD	42112	3.674	7.6	0.0	1.0	-0.1	1.0	0.5
Government purchased services less trade, transportation, and warehousing.....	FD	4212	2.482	1.9	-0.2	0.0	0.1	0.0	-0.3
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....	FD	42121	2.376	2.0	-0.1	0.0	0.1	-0.1	-0.3
Government purchased capital investment services less trade, transportation, and warehousing.....	FD	42122	0.106	1.2	-1.1	0.7	-0.1	0.8	-0.4
Services for export less trade, transportation, and warehousing.....	FD	4213	2.482	0.7	-0.7	-0.4	-0.2	0.5	-0.8
Final demand construction.....	FD	43	1.740	19.2	0.6	0.6	3.6	0.3	0.5
Construction for private capital investment.....	FD	431	1.133	21.0	0.6	0.6	3.8	0.4	0.6
Construction for government.....	FD	432	0.606	15.9	0.5	0.7	3.2	0.2	0.5
<b>Special Groupings of Final Demand</b>									
Final demand less exports.....	FD	49101	85.849	11.1	1.1	1.5	0.3	0.8	1.2
Final demand less government.....	FD	49102	92.367	10.9	1.0	1.5	0.3	0.8	1.1

See footnotes at end of table.

**Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**  
[June 2022]

Grouping	Commodity code		Relative Importance Dec. 2021 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> June 2021 to June 2022 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>	May to June <sup>P</sup>
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>5</sup> .....	FD	49103	87.780	8.4	0.6	1.2	0.3	0.6	0.4
Final demand less foods and energy <sup>5</sup> .....	FD	49104	88.285	8.2	0.6	1.2	0.3	0.6	0.4
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>5</sup> .....	FD	49105	93.752	11.5	1.1	1.6	0.4	0.9	1.2
Final demand less foods <sup>5</sup> .....	FD	49106	94.257	11.2	1.0	1.6	0.4	0.9	1.2
Final demand less energy.....	FD	49107	94.028	8.5	0.6	1.2	0.3	0.6	0.4
Final demand less trade services.....	FD	49108	79.566	10.4	0.9	1.5	0.6	0.8	1.2
Final demand less distributive services <sup>6</sup> .....	FD	49109	76.283	10.0	0.9	1.4	0.6	0.7	1.3
Final demand goods less energy.....	FD	49111	27.155	9.8	1.0	1.4	1.2	0.6	0.4
Final demand goods less foods.....	FD	49112	27.384	19.0	2.3	2.4	1.2	1.6	2.9
Final demand services less trade services.....	FD	49113	44.697	4.6	-0.1	0.9	0.0	0.4	0.2
Final demand distributive services <sup>6</sup> .....	FD	49114	23.717	15.6	1.7	2.1	0.0	1.2	0.7
Final demand goods plus final demand distributive services <sup>6</sup> .....	FD	49115	56.844	17.0	2.0	2.3	0.8	1.3	1.7
Final demand less foods, energy, and trade services <sup>5</sup> .....	FD	49116	67.851	6.4	0.2	1.0	0.4	0.4	0.3
Private and government purchased capital equipment.....	FD	49117	6.553	8.7	0.9	0.8	1.1	0.7	0.7
Private and government purchased capital investment services.....	FD	49118	7.747	14.2	1.5	1.0	-0.4	1.3	0.6
Total private and government purchased capital investment.....	FD	49119	14.300	12.4	1.2	0.9	0.7	0.9	0.6
Total finished <sup>3</sup> .....	FD	49201	78.213	10.7	1.0	1.4	0.2	0.8	1.2
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>3, 5</sup> .....	FD	49202	68.515	8.1	0.6	1.1	0.1	0.5	0.5
Total finished less foods and energy <sup>3, 5</sup> .....	FD	49203	69.015	7.9	0.5	1.1	0.1	0.5	0.5
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>5</sup> .....	FD	49204	73.288	10.7	1.0	1.4	0.1	0.8	1.3
Total finished less foods <sup>3, 5</sup> .....	FD	49205	73.788	10.6	1.0	1.4	0.1	0.8	1.3
Total finished less energy <sup>3</sup> .....	FD	49206	73.440	8.2	0.6	1.2	0.2	0.5	0.5
Finished goods <sup>3</sup> .....	FD	49207	21.282	18.6	2.5	2.0	0.8	1.7	3.1
Finished goods less energy <sup>3</sup> .....	FD	49208	16.509	9.8	1.2	1.1	1.1	0.7	0.5
Finished goods, excluding foods <sup>3, 5</sup> .....	FD	49209	16.857	20.2	2.7	2.0	0.7	1.9	3.9
Finished services <sup>3</sup> .....	FD	49210	55.798	7.4	0.4	1.2	-0.2	0.5	0.5
Private capital investment services.....	FD	49211	7.354	14.0	1.5	1.0	-0.3	1.3	0.6
Finished distributive services <sup>3, 6</sup> .....	FD	49212	19.709	15.2	1.7	2.1	-0.1	1.1	0.7
Finished services less trade services <sup>3</sup> .....	FD	49213	38.249	4.4	-0.1	0.9	-0.1	0.3	0.3
Finished services less distributive services <sup>3, 6</sup> .....	FD	49214	36.089	3.4	-0.2	0.7	-0.2	0.1	0.3
Total private capital investment (goods, services, and construction).....	FD	49215	14.123	12.7	1.2	0.9	0.6	1.0	0.7
Finished goods plus finished distributive services <sup>3, 6</sup> .....	FD	49216	40.991	17.0	2.1	2.1	0.4	1.4	1.9
Total exports.....	FD	49301	14.151	12.2	1.1	2.1	1.3	0.9	0.4
Goods for export.....	FD	49302	8.349	13.1	1.3	2.5	1.9	0.6	0.6
Services for export.....	FD	49303	5.802	10.7	0.8	1.5	0.4	1.3	0.1
Total government purchases.....	FD	49401	7.633	15.6	1.5	2.5	1.6	1.2	1.5
Government purchased goods.....	FD	49402	3.496	24.4	2.7	4.3	2.6	1.9	2.8
Government purchased services.....	FD	49403	3.531	6.9	0.5	0.9	0.2	0.5	0.1
Total government purchased capital investment (goods, services, construction).....	FD	49404	1.916	11.0	0.8	0.9	1.0	0.6	0.5
Government purchases, defense.....	FD	49405	2.357	15.2	1.8	3.2	1.6	1.3	0.7
Government purchases, non-defense.....	FD	49406	5.276	16.0	1.4	2.2	1.6	1.1	1.8
Personal consumption.....	FD	49501	64.090	10.3	1.0	1.6	0.0	0.8	1.3
Personal consumption goods (finished consumer goods).....	FD	49502	15.646	22.0	3.0	2.5	0.7	2.0	3.9
Personal consumption goods less energy.....	FD	49503	10.873	10.1	1.2	1.2	1.1	0.8	0.3
Personal consumption goods less foods.....	FD	49504	11.221	25.7	3.5	2.6	0.4	2.5	5.3
Personal consumption nondurable goods less foods.....	FD	49508	8.834	30.3	4.2	3.1	0.2	3.0	6.5
Personal consumption services.....	FD	49505	48.444	6.5	0.3	1.2	-0.2	0.4	0.4
Personal consumption less trade services.....	FD	49506	49.795	9.5	0.9	1.4	0.1	0.8	1.5
Personal consumption less distributive services <sup>6</sup> .....	FD	49507	48.061	9.2	0.8	1.3	0.1	0.7	1.5
Personal consumption less foods and energy.....	FD	49510	54.892	6.7	0.4	1.2	0.0	0.4	0.5
Personal consumption less foods, energy, and trade services <sup>4</sup> .....	FD	49511	40.597	4.6	0.0	0.8	0.0	0.3	0.3
Personal consumption less foods, energy, and distributive services <sup>6</sup> .....	FD	49512	38.863	3.8	-0.1	0.7	-0.1	0.2	0.3
Personal consumption goods plus personal consumption distributive services <sup>6</sup> .....	FD	49509	31.675	18.0	2.2	2.4	0.3	1.5	2.3
<b>Intermediate Demand by Commodity Type</b>									
<b>Processed goods</b>									
Processed goods for intermediate demand.....	ID6	1	100.000	22.2	1.5	2.3	2.1	2.1	2.3
Materials and components for manufacturing.....	ID6	11	45.927	13.3	-0.1	0.8	1.4	2.0	-0.1
Materials for manufacturing.....	ID6	111	30.390	14.1	-0.5	0.8	1.8	2.5	-0.5
Materials for food manufacturing.....	ID6	1111	4.084	15.7	2.2	2.1	4.0	1.4	-0.1
Materials for nondurable manufacturing.....	ID6	1112	13.045	14.6	1.4	2.3	1.5	1.8	0.5
Materials for durable manufacturing.....	ID6	1113	13.261	13.2	-3.2	-1.3	1.4	3.7	-1.7
Components for manufacturing.....	ID6	112	15.537	11.6	0.7	0.9	0.8	0.8	0.8

See footnotes at end of table.



**Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**  
[June 2022]

Grouping	Commodity code		Relative Importance Dec. 2021 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> June 2021 to June 2022 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>	May to June <sup>P</sup>
Components for nondurable manufacturing.....	ID6	1121	0.800	16.3	0.8	1.2	0.7	0.8	1.6
Components for durable manufacturing.....	ID6	1122	14.737	11.3	0.7	0.9	0.8	0.8	0.8
Materials and components for construction.....	ID6	12	9.074	15.1	1.7	1.9	0.5	0.8	0.3
Materials for construction.....	ID6	121	3.869	6.5	2.4	2.3	-0.8	0.1	-0.8
Components for construction.....	ID6	122	5.205	22.4	1.2	1.6	1.5	1.3	1.1
Processed fuels and lubricants for intermediate demand.....	ID6	13	18.757	60.1	5.8	7.3	5.0	4.2	9.9
Processed fuels and lubricants to manufacturing industries.....	ID6	131	4.683	42.8	4.7	5.0	6.0	3.5	6.6
Processed fuels and lubricants to nonmanufacturing industries.....	ID6	132	14.074	66.3	6.1	8.0	4.7	4.5	11.0
Containers for intermediate demand.....	ID6	14	2.795	20.5	1.9	0.2	1.9	1.5	0.8
Supplies for intermediate demand.....	ID6	15	23.448	12.7	1.1	1.3	1.4	1.0	0.5
Supplies to manufacturing industries.....	ID6	151	3.227	13.7	1.0	1.2	1.4	0.7	0.5
Supplies to nonmanufacturing industries.....	ID6	152	20.221	12.6	1.1	1.3	1.4	1.1	0.5
Supplies to nonmanufacturing industries, feeds.....	ID6	1521	1.743	12.6	2.3	3.4	2.0	1.2	0.4
Supplies to nonmanufacturing industries, other than feeds.....	ID6	1522	18.478	12.6	1.0	1.0	1.4	1.1	0.5
<b>Unprocessed goods</b>									
Unprocessed goods for intermediate demand.....	ID6	2	100.000	58.0	9.8	2.7	5.6	6.2	9.5
Unprocessed foodstuffs and feedstuffs.....	ID6	21	32.603	29.1	5.4	7.6	4.3	0.2	0.2
Unprocessed nonfood materials.....	ID6	22	67.398	74.3	12.0	0.5	6.3	9.1	13.5
Unprocessed nonfood materials except fuel.....	ID6	221	44.822	36.4	6.4	9.9	1.1	-1.5	8.6
Unprocessed nonfood materials except fuel to manufacturing industries.....	ID6	2211	42.852	37.6	6.7	10.3	1.1	-1.5	8.9
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	ID6	2212	1.970	9.1	1.0	0.8	0.9	0.5	0.9
Unprocessed fuel.....	ID6	222	22.576	191.2	24.2	-17.5	19.3	31.8	21.5
Unprocessed fuel to manufacturing industries.....	ID6	2221	1.143	97.9	8.4	-4.6	18.0	13.6	10.1
Unprocessed fuel to nonmanufacturing industries.....	ID6	2222	21.433	197.8	25.2	-18.2	19.4	32.9	22.1
<b>Services</b>									
Services for intermediate demand.....	ID6	3	100.000	6.3	0.2	1.2	0.7	0.4	0.0
Trade services for intermediate demand <sup>4</sup> .....	ID6	33	22.377	11.7	1.4	4.0	0.6	0.4	0.2
Trade services for manufacturing industries.....	ID6	331	11.472	13.0	0.5	2.7	1.2	1.3	0.4
Trade services for nonmanufacturing industries.....	ID6	332	10.905	10.3	2.2	5.3	0.1	-0.5	0.1
Transportation and warehousing services for intermediate demand.....	ID6	32	13.264	13.5	0.4	2.1	1.7	0.9	-0.2
Transportation of passengers for intermediate demand.....	ID6	321	0.984	29.9	3.2	10.8	2.2	3.8	3.9
Transportation of passengers for manufacturing industries.....	ID6	3211	0.116	30.6	3.3	11.1	2.2	3.9	4.0
Transportation of passengers for nonmanufacturing industries.....	ID6	3212	0.868	29.8	3.2	10.8	2.2	3.8	3.9
Transportation and warehousing of goods for intermediate demand.....	ID6	322	12.280	12.2	0.2	1.4	1.7	0.7	-0.5
Transportation and warehousing of goods for manufacturing industries.....	ID6	3221	2.498	17.8	1.2	2.8	2.3	2.7	-0.1
Transportation and warehousing of goods for nonmanufacturing industries.....	ID6	3222	9.782	10.7	0.0	1.1	1.6	0.2	-0.6
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	64.359	3.0	-0.2	0.0	0.6	0.3	-0.1
Services less trade, transportation, and warehousing for manufacturing industries.....	ID6	311	2.040	5.8	0.6	0.9	0.8	0.1	0.0
Services less trade, transportation, and warehousing for nonmanufacturing industries.....	ID6	312	62.318	3.0	-0.2	0.0	0.6	0.4	-0.1
<b>Construction</b>									
Construction for intermediate demand.....	ID6	4	100.000	12.5	1.1	1.2	0.8	0.7	0.8
<b>Special Groupings of Intermediate Demand by Commodity Type</b>									
Processed materials less foods and feeds.....	ID6	9111	92.100	22.9	1.5	2.3	2.0	2.2	2.5
Processed foods and feeds.....	ID6	9112	7.900	13.8	2.1	2.1	3.1	1.1	0.2
Processed energy goods.....	ID6	9113	18.757	60.1	5.8	7.3	5.0	4.2	9.9
Processed materials less energy.....	ID6	9118	81.243	13.6	0.5	1.0	1.3	1.5	0.2
Processed materials less foods and energy.....	ID6	9115	73.343	13.5	0.4	0.9	1.2	1.6	0.2
Intermediate distributive services <sup>7</sup> .....	ID6	9116	34.657	11.9	1.0	3.1	1.0	0.5	0.0
Processed goods plus intermediate distributive services.....	ID6	9117	-	19.2	1.4	2.5	1.8	1.7	1.7
Unprocessed materials less agricultural products.....	ID6	9211	62.340	81.3	12.9	-0.7	6.6	10.2	14.5
Unprocessed energy materials <sup>8</sup> .....	ID6	9212	42.130	126.8	18.2	-4.3	9.1	16.7	20.4
Unprocessed materials less energy.....	ID6	9213	57.870	20.0	3.9	8.3	3.4	-1.7	-0.7
Unprocessed nonfood materials less energy <sup>9</sup> .....	ID6	9216	25.267	7.1	1.5	9.1	1.9	-4.2	-2.2
<b>Intermediate Demand by Production Flow</b>									
<b>Stage 4 Intermediate Demand</b>									
Stage 4 intermediate demand.....	ID5	4	100.000	10.8	0.6	1.1	0.9	0.8	0.6
Inputs to stage 4 goods producers.....	ID5	41	32.865	13.7	0.7	1.4	1.2	1.3	0.5
Goods.....	ID5	411	23.183	13.9	0.6	1.2	1.5	1.4	0.4

See footnotes at end of table.

**Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**  
[June 2022]

Grouping	Commodity code		Relative Importance Dec. 2021 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> June 2021 to June 2022 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>	May to June <sup>P</sup>
Foods.....	ID5	4111	3.188	18.1	2.5	5.2	2.8	1.5	0.1
Energy.....	ID5	4112	0.189	64.2	6.4	4.0	11.2	2.4	13.1
Goods excluding foods and energy.....	ID5	4113	19.806	12.8	0.2	0.5	1.2	1.4	0.3
Services.....	ID5	412	9.682	13.0	0.9	1.7	0.4	0.9	0.9
Trade services.....	ID5	4123	7.732	14.3	1.1	1.8	0.3	0.9	1.0
Transportation and warehousing services.....	ID5	4122	0.475	16.9	1.1	3.5	2.2	2.1	0.8
Transportation of passengers.....	ID5	41221	0.066	30.7	3.3	11.1	2.2	3.9	4.0
Transportation and warehousing of goods.....	ID5	41222	0.409	14.7	0.7	2.3	2.1	1.8	0.3
Services less trade, transportation, and warehousing.....	ID5	4121	1.475	5.0	0.2	0.8	0.4	0.1	0.0
Inputs to stage 4 services producers.....	ID5	42	52.483	7.3	0.1	0.5	0.8	0.5	0.6
Goods.....	ID5	421	13.894	15.9	1.2	1.5	1.3	1.0	2.6
Foods.....	ID5	4211	2.353	9.2	2.1	1.2	1.5	-0.3	0.6
Energy.....	ID5	4212	3.737	30.3	1.4	2.6	2.0	2.2	7.5
Goods excluding foods and energy.....	ID5	4213	7.804	11.0	0.9	1.0	0.9	0.7	0.7
Services.....	ID5	422	38.503	4.2	-0.3	0.1	0.6	0.3	-0.2
Trade services.....	ID5	4223	4.524	14.2	1.4	2.5	0.4	1.3	0.7
Transportation and warehousing services.....	ID5	4222	3.277	14.0	-0.6	2.1	2.1	0.4	0.8
Transportation of passengers.....	ID5	42221	0.421	30.4	3.3	11.0	2.2	3.9	3.9
Transportation and warehousing of goods.....	ID5	42222	2.856	11.6	-1.2	0.8	2.0	-0.1	0.3
Services less trade, transportation, and warehousing.....	ID5	4221	30.702	1.7	-0.5	-0.4	0.5	0.1	-0.5
Construction.....	ID5	423	0.086	12.5	1.1	1.2	0.8	0.7	0.8
Inputs to stage 4 construction producers.....	ID5	43	14.650	16.8	2.2	2.8	0.7	1.1	1.1
Goods.....	ID5	431	10.502	20.0	2.6	2.5	0.7	1.3	1.7
Energy.....	ID5	4312	0.844	87.1	12.3	8.7	2.4	6.9	15.2
Goods excluding foods and energy.....	ID5	4313	9.658	14.2	1.7	1.9	0.5	0.7	0.1
Services.....	ID5	432	4.148	9.2	0.9	3.7	0.8	0.6	-0.4
Trade services.....	ID5	4323	2.051	9.1	1.2	5.7	0.8	0.3	-1.0
Transportation and warehousing services.....	ID5	4322	0.612	20.9	1.7	4.2	1.9	2.2	-0.1
Transportation of passengers.....	ID5	43221	0.013	30.6	3.3	11.1	2.2	3.9	4.0
Transportation and warehousing of goods.....	ID5	43222	0.599	20.6	1.6	4.0	1.9	2.2	-0.2
Services less trade, transportation, and warehousing.....	ID5	4321	1.485	4.8	0.2	0.7	0.3	0.4	0.3
<b>Stage 3 Intermediate Demand</b>									
Stage 3 intermediate demand.....	ID5	3	100.000	18.1	1.4	3.1	2.5	1.6	0.9
Inputs to stage 3 goods producers.....	ID5	31	49.802	20.3	1.2	3.0	3.1	2.0	0.3
Goods.....	ID5	311	40.208	22.0	1.4	2.9	3.3	2.0	0.5
Foods.....	ID5	3111	11.423	31.9	5.1	7.8	5.8	0.2	0.3
Energy.....	ID5	3112	1.551	81.1	5.6	6.9	13.7	7.7	9.2
Goods excluding foods and energy.....	ID5	3113	27.234	14.9	-0.4	0.4	1.4	2.5	-0.1
Services.....	ID5	312	9.594	13.5	0.1	3.7	2.3	1.8	-0.4
Trade services.....	ID5	3123	5.774	12.0	-0.6	4.3	2.5	1.6	-0.6
Transportation and warehousing services.....	ID5	3122	2.538	20.3	1.5	3.6	2.4	2.9	0.0
Transportation of passengers.....	ID5	31221	0.120	30.6	3.3	11.1	2.2	3.9	4.0
Transportation and warehousing of goods.....	ID5	31222	2.418	19.8	1.5	3.2	2.4	2.9	-0.2
Services less trade, transportation, and warehousing.....	ID5	3121	1.282	7.5	0.5	1.1	0.9	0.3	0.1
Inputs to stage 3 services producers.....	ID5	32	48.823	16.4	1.6	3.0	2.1	1.2	1.5
Goods.....	ID5	321	10.251	57.9	7.1	10.6	5.6	3.8	6.3
Foods.....	ID5	3211	0.088	10.3	1.3	1.4	1.3	-0.3	0.5
Energy.....	ID5	3212	6.099	89.2	10.7	15.7	8.0	5.1	8.9
Goods excluding foods and energy.....	ID5	3213	4.064	13.1	1.4	1.8	0.9	1.0	0.8
Services.....	ID5	322	37.657	5.6	0.0	0.8	0.9	0.3	-0.2
Trade services.....	ID5	3223	2.600	16.4	0.5	5.2	1.3	2.1	0.1
Transportation and warehousing services.....	ID5	3222	8.909	7.7	-0.1	0.7	1.3	-0.4	-1.0
Transportation of passengers.....	ID5	32221	0.022	3.7	0.2	0.4	0.9	0.2	1.8
Transportation and warehousing of goods.....	ID5	32222	8.887	7.7	-0.1	0.7	1.3	-0.4	-1.0
Services less trade, transportation, and warehousing.....	ID5	3221	26.148	3.8	0.0	0.3	0.8	0.4	0.1
Construction.....	ID5	323	0.915	12.5	1.1	1.2	0.8	0.7	0.8
Inputs to stage 3 construction producers.....	ID5	33	1.376	3.6	4.0	5.4	-1.3	-1.4	-1.2
Goods.....	ID5	331	0.574	10.2	2.2	2.5	-0.4	0.2	-0.8
Goods excluding foods and energy.....	ID5	3313	0.574	10.3	2.2	2.5	-0.4	0.2	-0.8
Services.....	ID5	332	0.802	-0.5	5.3	7.3	-1.9	-2.4	-1.6
Trade services.....	ID5	3323	0.760	-1.1	5.5	7.6	-2.1	-2.6	-1.7
Transportation and warehousing services.....	ID5	3322	0.015	15.1	0.2	0.5	3.8	3.9	0.2
Transportation and warehousing of goods.....	ID5	33222	0.015	15.1	0.2	0.5	3.8	3.9	0.2
Services less trade, transportation, and warehousing.....	ID5	3321	0.027	9.5	0.9	1.2	1.1	0.6	0.7
<b>Stage 2 Intermediate Demand</b>									

See footnotes at end of table.

**Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**  
[June 2022]

Grouping	Commodity code		Relative Importance Dec. 2021 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			June 2021 to June 2022 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Stage 2 intermediate demand.....	ID5	2	100.000	29.4	4.3	0.7	2.7	3.8	5.4
Inputs to stage 2 goods producers.....	ID5	21	55.017	48.5	7.4	0.4	4.3	6.6	8.9
Goods.....	ID5	211	42.903	60.1	9.3	0.0	5.0	8.0	10.8
Foods.....	ID5	2111	3.172	15.9	5.1	4.8	2.0	0.7	1.9
Energy.....	ID5	2112	20.215	124.2	17.8	-3.4	8.5	15.7	19.8
Goods excluding foods and energy.....	ID5	2113	19.516	12.0	0.8	3.5	1.5	-0.3	-1.0
Services.....	ID5	212	11.646	10.4	0.9	1.9	1.4	0.8	0.5
Trade services.....	ID5	2123	5.347	12.4	1.6	3.2	1.2	0.0	0.7
Transportation and warehousing services.....	ID5	2122	3.332	10.7	0.3	0.9	2.2	2.2	0.2
Transportation of passengers.....	ID5	21221	0.156	28.8	3.1	10.4	2.2	3.7	3.8
Transportation and warehousing of goods.....	ID5	21222	3.176	9.7	0.2	0.4	2.2	2.1	-0.1
Services less trade, transportation, and warehousing.....	ID5	2121	2.967	6.3	0.1	0.5	0.9	0.7	0.7
Construction.....	ID5	213	0.468	12.5	1.1	1.2	0.8	0.7	0.8
Inputs to stage 2 services producers.....	ID5	22	44.982	7.4	0.4	1.1	0.7	0.1	0.4
Goods.....	ID5	221	5.753	18.2	1.2	1.4	1.5	1.8	1.7
Foods.....	ID5	2211	0.032	13.8	3.1	2.9	1.4	0.4	-0.5
Energy.....	ID5	2212	0.393	91.6	6.6	1.9	6.2	10.2	14.5
Goods excluding foods and energy.....	ID5	2213	5.328	13.7	0.8	1.4	1.1	1.1	0.6
Services.....	ID5	222	37.664	5.7	0.2	1.1	0.6	-0.2	0.2
Trade services.....	ID5	2223	2.497	17.9	2.1	10.6	1.3	-7.4	1.7
Transportation and warehousing services.....	ID5	2222	3.167	9.4	1.0	1.2	0.7	-1.6	-2.2
Transportation of passengers.....	ID5	22221	0.356	30.3	3.3	11.0	2.2	3.8	3.9
Transportation and warehousing of goods.....	ID5	22222	2.811	6.7	0.8	0.0	0.5	-2.4	-3.1
Services less trade, transportation, and warehousing.....	ID5	2221	32.000	4.5	0.0	0.4	0.5	0.6	0.3
Construction.....	ID5	223	1.565	12.5	1.1	1.2	0.8	0.7	0.8
<b>Stage 1 Intermediate Demand</b>									
Stage 1 intermediate demand.....	ID5	1	100.000	15.8	1.0	2.7	1.7	1.3	1.4
Inputs to stage 1 goods producers.....	ID5	11	35.307	18.4	0.2	2.6	2.3	2.3	1.1
Goods.....	ID5	111	25.965	21.9	0.3	2.5	2.5	2.6	1.5
Foods.....	ID5	1111	3.181	16.4	2.3	8.6	2.5	0.4	0.9
Energy.....	ID5	1112	3.712	63.6	3.7	0.4	7.6	7.0	11.6
Goods excluding foods and energy.....	ID5	1113	19.072	15.6	-0.7	1.9	1.5	2.0	-0.6
Services.....	ID5	112	9.341	9.2	-0.3	2.7	1.7	1.5	-0.3
Trade services.....	ID5	1123	6.053	10.8	-0.2	3.7	2.2	1.5	-0.4
Transportation and warehousing services.....	ID5	1122	0.488	22.9	0.4	2.0	4.9	6.7	0.4
Transportation of passengers.....	ID5	11221	0.084	30.6	3.3	11.1	2.2	3.9	4.0
Transportation and warehousing of goods.....	ID5	11222	0.404	21.6	-0.2	0.2	5.5	7.4	-0.2
Services less trade, transportation, and warehousing.....	ID5	1121	2.800	3.6	-0.5	0.5	0.0	0.7	-0.2
Construction.....	ID5	113	0.001	12.5	1.1	1.2	0.8	0.7	0.8
Inputs to stage 1 services producers.....	ID5	12	51.790	14.1	1.0	2.3	1.5	1.0	1.6
Goods.....	ID5	121	17.196	31.4	3.2	4.4	3.2	1.8	4.7
Foods.....	ID5	1211	0.051	102.6	3.0	1.9	81.8	8.3	-9.0
Energy.....	ID5	1212	5.758	63.1	6.9	10.2	5.5	2.9	10.8
Goods excluding foods and energy.....	ID5	1213	11.387	14.8	1.2	1.1	1.4	1.1	0.9
Services.....	ID5	122	34.589	5.9	-0.1	1.2	0.6	0.6	-0.1
Trade services.....	ID5	1223	3.797	15.9	0.9	4.5	0.6	1.2	0.6
Transportation and warehousing services.....	ID5	1222	3.611	18.6	1.0	4.5	1.7	2.1	1.1
Transportation of passengers.....	ID5	12221	1.098	30.7	3.3	11.1	2.2	3.9	4.0
Transportation and warehousing of goods.....	ID5	12222	2.513	13.2	0.1	1.8	1.5	1.3	-0.2
Services less trade, transportation, and warehousing.....	ID5	1221	27.181	2.9	-0.5	0.2	0.5	0.3	-0.4
Construction.....	ID5	123	0.005	12.5	1.1	1.2	0.8	0.7	0.8
Inputs to stage 1 construction producers.....	ID5	13	12.903	15.8	3.2	4.6	1.0	0.2	1.4
Goods.....	ID5	131	8.482	23.6	2.6	3.4	2.2	1.0	2.8
Energy.....	ID5	1312	0.827	98.8	11.6	18.5	9.3	2.9	12.9
Goods excluding foods and energy.....	ID5	1313	7.655	15.8	1.6	1.5	1.2	0.7	1.2
Services.....	ID5	132	4.421	3.1	4.3	6.7	-1.2	-1.3	-1.2
Trade services.....	ID5	1323	3.756	0.4	4.6	7.1	-1.7	-2.0	-1.4
Transportation and warehousing services.....	ID5	1322	0.609	23.4	2.0	4.7	1.9	2.6	-0.4
Transportation and warehousing of goods.....	ID5	13222	0.609	23.4	2.0	4.7	1.9	2.6	-0.4
Services less trade, transportation, and warehousing.....	ID5	1321	0.056	6.9	1.5	0.4	0.5	0.6	1.7
<b>Special Groupings of Intermediate Demand by Production Flow</b>									
Total goods inputs to stage 4 intermediate demand.....	ID5	9411	47.579	15.8	1.2	1.6	1.3	1.3	1.3
Total services inputs to stage 4 intermediate demand.....	ID5	9412	52.333	6.1	0.0	0.7	0.6	0.4	0.0
Total construction inputs to stage 4 intermediate demand.....	ID5	9413	0.086	12.5	1.1	1.2	0.8	0.7	0.8
Total foods inputs to stage 4 intermediate demand.....	ID5	9414	5.541	14.3	2.3	3.5	2.3	0.7	0.3

See footnotes at end of table.

**Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**  
[June 2022]

Grouping	Commodity code		Relative Importance Dec. 2021 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> June 2021 to June 2022 <sup>p</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Jan. to Feb.	Feb. to Mar. <sup>p</sup>	Mar. to Apr. <sup>p</sup>	Apr. to May <sup>p</sup>	May to June <sup>p</sup>
Total energy goods inputs to stage 4 intermediate demand.....	ID5	9415	4.770	41.4	3.6	3.9	2.5	3.2	9.4
Total goods less foods and energy inputs to stage 4 intermediate demand. ....	ID5	9416	37.268	12.8	0.8	1.0	0.9	1.1	0.4
Total goods inputs to stage 3 intermediate demand.....	ID5	9311	51.033	29.3	2.6	4.6	3.8	2.4	1.9
Total services inputs to stage 3 intermediate demand.....	ID5	9312	48.053	7.1	0.1	1.5	1.1	0.6	-0.3
Total construction inputs to stage 3 intermediate demand.....	ID5	9313	0.915	12.5	1.1	1.2	0.8	0.7	0.8
Total foods inputs to stage 3 intermediate demand.....	ID5	9314	11.511	31.8	5.1	7.8	5.8	0.2	0.3
Total energy goods inputs to stage 3 intermediate demand.....	ID5	9315	7.650	87.7	9.7	14.0	9.0	5.6	8.9
Total goods less foods and energy inputs to stage 3 intermediate demand. ....	ID5	9316	31.872	14.5	-0.1	0.6	1.3	2.3	0.0
Total goods inputs to stage 2 intermediate demand.....	ID5	9211	48.656	55.4	8.4	0.2	4.7	7.4	9.9
Total services inputs to stage 2 intermediate demand.....	ID5	9212	49.310	6.7	0.3	1.3	0.8	0.1	0.3
Total construction inputs to stage 2 intermediate demand.....	ID5	9213	2.033	12.5	1.1	1.2	0.8	0.7	0.8
Total foods inputs to stage 2 intermediate demand.....	ID5	9214	3.204	15.9	5.1	4.8	2.0	0.7	1.9
Total energy goods inputs to stage 2 intermediate demand.....	ID5	9215	20.608	123.5	17.6	-3.3	8.5	15.6	19.7
Total goods less foods and energy inputs to stage 2 intermediate demand. ....	ID5	9216	24.844	12.4	0.8	3.0	1.4	0.0	-0.6
Total goods inputs to stage 1 intermediate demand.....	ID5	9111	51.643	25.2	1.6	3.3	2.7	2.1	2.8
Total services inputs to stage 1 intermediate demand.....	ID5	9112	48.351	6.2	0.2	2.0	0.6	0.6	-0.3
Total construction inputs to stage 1 intermediate demand.....	ID5	9117	0.006	12.5	1.1	1.2	0.8	0.7	0.8
Total foods inputs to stage 1 intermediate demand.....	ID5	9114	3.232	17.7	2.3	8.5	3.6	0.6	0.6
Total energy goods inputs to stage 1 intermediate demand.....	ID5	9115	10.297	66.2	6.2	7.6	6.5	4.2	11.3
Total goods less foods and energy inputs to stage 1 intermediate demand. ....	ID5	9116	38.114	15.5	0.3	1.6	1.4	1.5	0.2

<sup>1</sup> Comprehensive relative importance figures are initially computed after the publication of December indexes and are recalculated after final December indexes are available. Individual items and subtotals may not add exactly to totals because of rounding differences.

<sup>2</sup> All indexes are subject to revision for 4 months after their originally scheduled publication to incorporate late reports and corrections by survey respondents. In addition, seasonally adjusted indexes are subject to change for up to 5 years due to the recalculation of seasonal factors published each January.

<sup>3</sup> PPI defines Total finished as including only the personal consumption and private capital investment portions of final demand.

<sup>4</sup> Trade indexes measure changes in margins received by wholesalers and retailers.

<sup>5</sup> The PPI definition of foods does not include food and beverages for immediate consumption. PPI defines food and beverages for immediate consumption as the service of preparing meals, snacks, and beverages to customer order for immediate on-premises and off-premises consumption.

<sup>6</sup> Distributive services include transportation, warehousing, and trade of goods.

<sup>7</sup> Includes intermediate trade, transportation, and warehousing services.

<sup>8</sup> Includes crude petroleum.

<sup>9</sup> Excludes crude petroleum.

<sup>p</sup> Preliminary

"/" Data not available.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted**  
[June 2022]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2021 to June 2022 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
<b>Final Demand</b>								
Final demand.....	FD	4	11.3	1.1	1.6	0.4	0.9	1.1
Final demand goods.....	FD	41	17.9	2.2	2.4	1.3	1.4	2.4
Final demand foods.....	FD	411	12.7	1.9	2.4	1.5	0.5	0.1
Fresh fruits and melons <sup>2</sup> .....	01	11	13.7	4.5	-8.0	8.3	-1.1	-1.6
Fresh and dry vegetables <sup>2</sup> .....	01	13	39.5	-9.3	42.4	-26.6	3.5	0.0
Grains.....	01	2	23.6	1.9	16.0	3.6	0.7	1.8
Eggs for fresh use <sup>2</sup> .....	01	7107	123.1	31.3	-14.3	82.0	-0.3	-23.8
Oilseeds.....	01	8301	17.3	9.3	5.6	1.3	-0.6	4.8
Bakery products <sup>2</sup> .....	02	11	11.2	2.2	0.4	0.9	0.9	0.5
Milled rice <sup>2</sup> .....	02	13	15.6	4.2	0.7	0.8	1.9	1.1
Pasta products <sup>2</sup> .....	02	1402	23.6	2.7	0.4	2.5	0.7	0.0
Beef and veal.....	02	2101	-17.4	-3.6	-7.3	-2.6	-9.5	1.7
Pork.....	02	2104	-10.5	4.0	4.0	3.5	-7.6	-2.1
Processed young chickens.....	02	2203	21.1	2.0	1.0	-0.4	4.7	4.1
Processed turkeys.....	02	2206	38.9	5.4	0.9	3.4	6.0	-2.0
Finfish and shellfish.....	02	23	13.0	-1.1	0.0	2.5	-2.1	-0.3
Dairy products.....	02	3	21.2	3.7	3.3	3.1	0.9	0.4
Processed fruits and vegetables <sup>2</sup> .....	02	4	11.4	0.9	1.0	1.1	2.9	0.3
Confectionery end products <sup>2</sup> .....	02	55	7.0	0.4	0.7	0.4	0.6	0.2
Soft drinks <sup>2</sup> .....	02	62	11.1	0.6	0.1	1.2	-0.8	0.6
Roasted coffee <sup>2</sup> .....	02	6301	14.6	8.4	0.9	-0.2	0.8	2.0
Shortening and cooking oils <sup>2</sup> .....	02	78	32.8	7.3	7.6	1.6	4.6	1.0
Frozen specialty food <sup>2</sup> .....	02	85	15.2	5.2	2.0	0.9	1.3	1.4
Final demand energy.....	FD	412	54.4	7.2	6.6	1.6	4.6	10.0
Liquefied petroleum gas <sup>2</sup> .....	05	32	62.7	7.9	15.0	-1.4	-3.7	2.9
Residential electric power.....	05	41	13.5	0.0	2.3	1.0	0.8	3.3
Residential natural gas.....	05	51	33.9	1.7	0.3	3.1	5.7	6.6
Gasoline.....	05	71	86.7	14.4	5.7	-3.1	8.6	18.5
Home heating oil and distillates.....	05	7302	100.8	7.6	23.8	9.0	3.5	-1.7
No. 2 diesel fuel.....	05	7303	111.1	14.2	21.6	8.4	2.4	13.9
Final demand goods less foods and energy.....	FD	413	9.1	0.8	1.1	1.1	0.6	0.5
Alcoholic beverages.....	02	61	5.0	1.0	1.1	1.0	0.2	-0.1
Pet food <sup>2</sup> .....	02	9402	13.0	1.9	0.2	0.3	3.3	0.1
Women's, girls', and infants' apparel <sup>2</sup> .....	03	8106	2.5	0.0	-0.1	0.1	0.4	0.0
Men's and boys' apparel <sup>2</sup> .....	03	8107	7.0	2.3	0.1	0.5	0.1	0.1
Textile housefurnishings <sup>2</sup> .....	03	82	7.6	-1.9	0.1	2.0	0.0	0.3
Footwear.....	04	3	7.4	-0.2	0.5	0.6	1.6	0.2
Industrial chemicals.....	06	1	17.5	1.7	3.5	0.5	3.1	0.4
Pharmaceutical preparations.....	06	38	1.4	0.5	0.1	0.3	0.1	0.2
Soaps and detergents <sup>2</sup> .....	06	71	12.1	1.1	0.6	0.4	1.8	1.0
Cleaning and polishing products <sup>2</sup> .....	06	72	7.8	1.0	0.4	0.2	0.8	0.3
Cosmetics and other toiletries <sup>2</sup> .....	06	75	6.4	2.3	0.0	0.1	0.4	1.6
Tires <sup>2</sup> .....	07	1201	15.2	1.1	0.1	3.1	0.7	0.6
Consumer, institutional, and commercial products, n.e.c. <sup>2</sup> .....	07	2B	26.4	2.9	1.1	1.6	2.0	1.6
Sanitary paper products <sup>2</sup> .....	09	1501	10.7	0.8	1.0	0.3	2.1	1.5
Iron and steel scrap <sup>2</sup> .....	10	12	-6.2	-0.3	24.8	0.2	-11.7	-10.4
Agricultural machinery and equipment.....	11	1	17.6	1.9	0.7	3.0	0.5	0.8
Construction machinery and equipment <sup>2</sup> .....	11	2	11.5	0.6	0.3	2.7	0.3	1.4
Metal cutting machine tools <sup>2</sup> .....	11	37	4.9	0.7	0.0	0.0	0.9	0.0
Metal forming machine tools.....	11	38	4.9	0.0	0.1	0.5	2.6	0.3
Tools, dies, jigs, fixtures, and industrial molds <sup>2</sup> .....	11	39	8.8	0.6	1.1	1.5	0.7	0.4
Pumps, compressors, and equipment.....	11	41	16.3	2.6	0.8	1.4	2.3	1.5
Industrial material handling equipment <sup>2</sup> .....	11	44	15.8	0.6	0.6	2.6	0.8	1.0
Electronic computers and computer equipment <sup>2</sup> .....	11	5	6.8	0.9	0.9	0.0	0.6	-0.2
Textile machinery and equipment <sup>2</sup> .....	11	62	6.1	0.1	0.0	0.0	0.0	0.0
Paper industries machinery <sup>2</sup> .....	11	64	12.6	0.5	0.4	1.0	1.4	3.3
Printing trades machinery and equipment <sup>2</sup> .....	11	65	6.8	0.2	-0.2	0.2	0.2	0.6
Transformers and power regulators <sup>2</sup> .....	11	74	34.7	0.4	6.3	3.1	1.1	4.9
Communication and related equipment.....	11	76	5.0	0.2	-0.1	0.4	0.4	0.3
Electronic components and accessories.....	11	78	4.1	0.1	0.5	-0.6	0.4	0.7
X-ray and electromedical equipment <sup>2</sup> .....	11	7905	2.1	0.6	0.0	0.0	0.8	0.0
Oil field and gas field machinery <sup>2</sup> .....	11	91	5.7	0.0	0.0	0.0	1.0	0.5
Mining machinery and equipment <sup>2</sup> .....	11	92	20.3	0.3	2.4	4.8	1.0	0.3
Office and store machines and equipment <sup>2</sup> .....	11	93	2.3	0.0	0.0	0.0	0.8	0.0

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
[June 2022]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2021 to June 2022 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Household furniture <sup>2</sup> .....	12	1	11.4	0.5	1.5	0.4	1.3	0.5
Commercial furniture <sup>2</sup> .....	12	2	13.2	1.7	1.8	0.3	0.7	2.3
Floor coverings <sup>2</sup> .....	12	3	1.6	4.5	-0.8	-1.1	-0.6	0.7
Household appliances <sup>2</sup> .....	12	4	14.4	0.7	0.6	3.6	1.2	1.6
Home electronic equipment <sup>2</sup> .....	12	5	11.3	0.8	1.4	0.0	0.2	0.4
Lawn and garden equipment excl. garden tractors <sup>2</sup> .....	12	66	11.9	1.9	0.1	2.2	1.7	1.3
Passenger cars.....	14	1101	3.6	0.6	0.3	0.7	0.5	0.6
Light motor trucks.....	14	1105	4.4	1.0	0.7	1.3	0.3	0.3
Heavy motor trucks <sup>2</sup> .....	14	1106	2.5	0.0	0.0	0.0	1.4	0.2
Motor vehicles parts <sup>2</sup> .....	14	12	5.0	0.2	0.2	0.6	0.2	0.4
Truck trailers <sup>2</sup> .....	14	14	35.9	6.2	0.6	1.5	0.4	1.0
Travel trailers and campers <sup>2</sup> .....	14	16	19.5	0.0	0.5	1.2	1.1	0.1
Aircraft.....	14	21	4.7	0.4	1.5	0.4	0.3	0.5
Ships <sup>2</sup> .....	14	31	6.9	-0.1	0.1	-0.1	1.4	0.1
Railroad equipment <sup>2</sup> .....	14	4	2.4	0.0	0.0	0.0	0.1	0.0
Toys, games, and children's vehicles <sup>2</sup> .....	15	11	4.9	0.0	-0.2	0.0	0.0	0.0
Sporting and athletic goods.....	15	12	21.5	2.0	0.0	0.1	2.5	5.1
Cigarettes <sup>2</sup> .....	15	21	10.9	0.4	0.0	0.8	2.6	0.0
Mobile homes <sup>2</sup> .....	15	5	18.0	2.5	3.0	0.6	0.7	-0.2
Medical, surgical & personal aid devices.....	15	6	2.7	0.5	0.5	0.3	-0.1	0.2
Jewelry, platinum and karat gold <sup>2</sup> .....	15	9402	8.7	1.5	5.5	0.7	1.7	-0.1
Costume jewelry and novelties <sup>2</sup> .....	15	9404	7.7	6.1	0.0	0.0	0.0	0.0
Final demand services.....	FD	42	7.7	0.5	1.2	-0.1	0.6	0.4
Final demand trade services <sup>3</sup> .....	FD	423	14.8	1.7	1.8	-0.3	1.0	0.8
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	15.7	1.7	0.3	-1.1	0.5	2.1
Machinery and vehicle wholesaling <sup>2</sup> .....	57	1103	33.1	5.8	-0.3	-0.8	1.7	1.4
Professional and commercial equipment wholesaling <sup>2</sup> .....	57	1104	-1.0	-1.9	2.7	-2.7	-0.2	0.0
Furnishings wholesaling <sup>2</sup> .....	57	2	23.2	-0.7	2.3	0.3	0.5	-1.3
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	7.0	1.8	0.4	2.6	3.6	-0.2
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	25.3	0.5	6.4	3.2	3.1	-0.7
Apparel wholesaling <sup>2</sup> .....	57	7	6.2	1.0	4.0	-0.1	-4.5	3.0
Food and alcohol wholesaling <sup>2</sup> .....	57	8	10.3	2.5	2.8	0.1	-0.4	0.6
Food and alcohol retailing.....	58	1	16.9	1.7	0.1	0.4	1.6	3.8
Health, beauty, and optical goods retailing <sup>2</sup> .....	58	2	9.0	1.3	-4.1	-1.5	7.5	-0.5
Apparel, jewelry, footwear, and accessories retailing.....	58	3	6.1	-1.8	-0.3	-1.3	2.6	-0.8
Computer hardware, software, and supplies retailing <sup>2</sup> .....	58	4	2.4	0.8	0.6	-0.3	-3.4	0.1
TV, video, and photographic equipment and supplies retailing <sup>2</sup> .....	58	5	-24.2	4.0	-1.1	-3.8	-5.5	-1.1
Automobiles retailing (partial).....	58	6101	37.7	2.3	-3.0	-0.3	5.7	-3.6
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	15.4	0.6	1.8	1.2	1.5	2.4
RVs, trailers, and campers retailing <sup>2</sup> .....	58	8	4.5	-5.0	0.6	-6.1	-7.2	-2.3
Sporting goods, including boats, retailing.....	58	9	-2.4	1.3	1.8	-2.3	0.0	-2.4
Lawn, garden, and farm equipment and supplies retailing <sup>2</sup> .....	58	A	26.0	1.6	-0.5	2.2	5.1	4.5
Furniture retailing <sup>2</sup> .....	58	B	28.2	1.7	3.8	-5.5	4.9	1.2
Flooring and floor coverings retailing <sup>2</sup> .....	58	C	24.2	-0.1	-1.0	3.7	-2.1	-1.1
Hardware, building materials, and supplies retailing.....	58	D	-9.6	9.1	10.4	-3.8	-4.9	-3.1
Major household appliances retailing.....	58	E	8.7	0.6	-2.3	4.7	-2.1	-1.3
Fuels and lubricants retailing.....	58	F	23.5	3.7	26.4	3.2	-21.0	2.7
Cleaning supplies and paper products retailing <sup>2</sup> .....	58	G	15.3	0.2	0.6	4.7	0.5	1.8
Book retailing <sup>2</sup> .....	58	H	2.1	-3.0	2.0	-0.3	-1.7	0.4
Final demand transportation and warehousing services.....	FD	422	23.0	2.0	5.6	2.0	2.7	0.8
Rail transportation of freight and mail <sup>2</sup> .....	30	11	11.1	0.3	0.7	2.7	2.0	0.5
Truck transportation of freight <sup>2</sup> .....	30	12	23.4	2.1	4.9	1.7	2.3	-0.4
Air transportation of freight <sup>2</sup> .....	30	14	13.0	-2.8	2.4	2.0	-0.8	2.9
Courier, messenger, and U.S. postal services.....	30	16	10.3	-0.1	1.0	1.3	1.2	-0.1
Rail transportation of passengers.....	30	21	2.8	0.1	0.0	0.8	0.1	1.7
Airline passenger services.....	30	22	30.7	3.3	11.1	2.2	3.9	4.0
Final demand services less trade, transportation, and warehousing.....	FD	421	2.7	-0.3	0.4	-0.3	0.1	0.1
Sales of books <sup>2</sup> .....	33	11	5.9	2.2	0.5	0.2	0.8	0.0
Sales and subscriptions of periodicals and newspapers.....	33	12	2.1	-0.8	0.0	-0.6	0.3	0.1
Application software publishing <sup>2</sup> .....	34	2	0.6	-4.2	3.2	-0.5	1.4	-0.8
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	0.7	-2.0	1.5	-1.0	0.5	0.3
Residential wired telecommunication services.....	37	11	1.2	-0.4	-0.2	0.0	0.5	0.0
Wireless telecommunication services.....	37	2	0.2	0.7	-0.1	-0.1	0.0	0.2
Cable and satellite subscriber services.....	37	3	3.2	-0.2	0.3	0.1	0.5	0.7
Internet access services <sup>2</sup> .....	37	4	-0.6	0.0	0.0	-0.1	-0.3	-0.3

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
[June 2022]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2021 to June 2022 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	2.8	0.0	0.1	0.0	0.0	-0.5
Consumer loans (partial).....	39	12	-0.8	-2.2	1.1	1.8	-1.1	-0.3
Deposit services (partial) <sup>2</sup> .....	39	2	-5.2	-0.6	-5.1	-1.1	-0.2	1.8
Other credit intermediation, incl. trust services (partial) <sup>2</sup> .....	39	3	-1.9	1.2	-0.2	0.1	-1.0	0.0
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> ...	40	1	-1.3	1.7	-4.4	-0.4	5.3	-4.4
Portfolio management <sup>2</sup> .....	40	2	-7.9	-3.8	-1.3	-2.1	-2.0	-2.7
Life insurance <sup>2</sup> .....	41	1101	2.8	1.0	0.1	-0.1	0.0	0.0
Disability insurance, including accidental death <sup>2</sup> .....	41	1102	-0.1	0.0	0.0	0.0	0.0	0.0
Health and medical insurance.....	41	1103	2.3	-0.4	0.1	0.1	0.1	0.2
Property and casualty insurance <sup>2</sup> .....	41	1104	1.4	0.4	0.1	0.1	0.2	0.4
Annuities <sup>2</sup> .....	41	2	-1.0	-1.6	2.2	-0.4	-0.1	0.0
Residential property sales and leases, brokerage fees and commissions..	43	21	11.1	1.0	0.8	-0.5	0.8	1.0
Passenger car rental.....	44	1	-2.2	-2.2	7.9	9.3	-5.3	-3.9
Legal services.....	45	1	3.7	0.3	0.4	-0.2	-0.2	0.0
Tax preparation and planning.....	45	2102	-0.1	2.5	0.2	0.1	0.3	1.4
Architectural and engineering services.....	45	3	4.7	0.0	0.8	0.3	0.2	0.2
Management, scientific, and technical consulting services.....	45	4	0.2	-0.4	0.2	-0.2	-0.4	-0.3
Arrangement of flights (partial).....	47	1	-3.3	-0.7	1.0	-0.1	0.1	0.6
Arrangement of vehicle rentals and lodging <sup>2</sup> .....	47	2	14.3	0.3	-0.1	3.1	-0.6	-0.7
Arrangement of cruises and tours <sup>2</sup> .....	47	3	6.7	0.3	-0.2	-1.7	4.4	7.3
Physician care.....	51	1101	0.7	0.1	0.0	-0.1	0.1	0.1
Medical laboratory and diagnostic imaging care <sup>2</sup> .....	51	1102	-0.1	0.0	0.0	-0.1	0.0	0.0
Home health and hospice care.....	51	1103	2.2	0.0	0.3	-0.4	0.1	0.1
Hospital outpatient care <sup>2</sup> .....	51	1104	4.8	0.1	0.0	0.2	0.0	1.4
Dental care.....	51	1105	3.6	0.5	0.0	0.2	0.0	0.2
Hospital inpatient care.....	51	2101	3.7	-0.1	0.3	-0.4	0.2	0.5
Nursing home care.....	51	2102	1.9	-0.2	0.2	0.5	0.1	0.0
Traveler accommodation services.....	53	11	23.2	-2.9	12.6	-3.9	-2.4	4.1
Food and beverages for immediate consumption services (partial) <sup>2</sup> .....	54	1	1.3	1.1	1.2	-1.3	1.2	0.4
Motor vehicle repair and maintenance (partial).....	55	2	3.9	1.4	0.6	0.3	0.6	-0.3
Membership dues and admissions and recreation facility use fees (partial) <sup>2</sup> .....	56	1	3.4	0.7	1.0	0.4	-2.1	0.1
Recreational activity instruction fees (partial) <sup>2</sup> .....	56	2	1.3	0.0	0.0	1.1	0.2	0.0
Gaming receipts (partial) <sup>2</sup> .....	56	3	2.7	-1.2	1.9	-4.3	2.5	-0.9
Mining services <sup>2</sup> .....	60	1	11.2	0.0	1.7	0.0	2.1	0.3
Final demand construction.....	FD	43	19.2	0.6	0.6	3.6	0.3	0.5
New warehouse building construction <sup>2</sup> .....	80	1101	29.5	0.3	0.4	4.7	-0.1	-0.1
New school building construction <sup>2</sup> .....	80	1102	15.7	0.1	0.5	4.1	0.0	0.2
New office building construction <sup>2</sup> .....	80	1103	20.5	1.2	0.9	2.8	0.5	1.0
New industrial building construction <sup>2</sup> .....	80	1104	23.9	0.5	0.2	4.3	0.8	0.8
New health care building construction <sup>2</sup> .....	80	1105	15.6	0.2	0.6	4.2	0.1	0.2
<b>Intermediate Demand by Commodity Type</b>								
Processed goods for intermediate demand.....	ID6	1	22.2	1.5	2.3	2.1	2.1	2.3
Processed foods and feeds.....	ID6	9112	13.8	2.1	2.1	3.1	1.1	0.2
Meats.....	02	21	-9.3	-0.7	-2.1	-0.5	-6.0	-0.6
Processed poultry.....	02	22	21.6	3.1	2.6	1.6	5.3	3.3
Dairy products.....	02	3	21.2	3.7	3.3	3.1	0.9	0.4
Processed fruits and vegetables <sup>2</sup> .....	02	4	11.4	0.9	1.0	1.1	2.9	0.3
Refined sugar and byproducts <sup>2</sup> .....	02	53	4.8	1.0	0.8	0.3	0.9	0.0
Fats and oils <sup>2</sup> .....	02	7	29.4	5.3	6.9	1.4	3.8	0.4
Prepared animal feeds <sup>2</sup> .....	02	9	12.6	2.9	3.2	1.8	1.6	-0.1
Processed materials less foods and feeds.....	ID6	9111	22.9	1.5	2.3	2.0	2.2	2.5
Synthetic fibers <sup>2</sup> .....	03	1	9.8	-0.6	0.6	2.0	0.5	0.6
Processed yarns and threads <sup>2</sup> .....	03	2	30.8	1.4	3.7	6.2	1.7	0.3
Finished fabrics <sup>2</sup> .....	03	4	14.4	0.9	0.9	1.3	1.5	0.6
Liquefied petroleum gas <sup>2</sup> .....	05	32	62.7	7.9	15.0	-1.4	-3.7	2.9
Commercial electric power.....	05	42	13.4	-2.5	3.1	-0.2	-1.5	6.4
Industrial electric power.....	05	43	11.2	1.8	-1.1	0.5	1.5	1.2
Commercial natural gas.....	05	52	43.9	0.4	0.2	5.4	9.2	9.3
Industrial natural gas.....	05	53	50.2	9.2	-7.8	6.4	15.9	10.1
Natural gas to electric utilities.....	05	54	98.4	-3.1	-19.6	9.9	23.5	15.8
Gasoline.....	05	71	86.7	14.4	5.7	-3.1	8.6	18.5
Jet fuel <sup>2</sup> .....	05	7203	116.5	13.5	23.4	13.3	10.0	-2.7
No. 2 diesel fuel.....	05	7303	111.1	14.2	21.6	8.4	2.4	13.9
Residual fuels <sup>2</sup> .....	05	74	51.8	15.6	10.8	8.4	0.7	6.3

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
[June 2022]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2021 to June 2022 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Finished lubricants <sup>2</sup> .....	05	76	21.1	0.4	1.1	4.6	-0.1	5.3
Lubricating oil base stocks <sup>2</sup> .....	05	78	54.2	0.2	3.1	13.2	9.2	10.2
Asphalt.....	05	8102	77.5	3.2	7.1	18.9	13.4	1.9
Basic inorganic chemicals <sup>2</sup> .....	06	13	26.6	2.8	1.3	2.6	3.5	1.7
Basic organic chemicals.....	06	14	16.2	1.6	3.8	0.2	3.0	0.2
Prepared paint <sup>2</sup> .....	06	21	28.6	0.7	1.0	5.3	1.1	2.5
Paint materials <sup>2</sup> .....	06	22	12.8	1.8	0.2	2.4	3.7	0.4
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	1.2	0.0	0.0	0.1	-1.2	0.4
Biological products, including diagnostics.....	06	37	4.9	0.1	-0.2	0.9	0.2	0.4
Fats and oils, inedible <sup>2</sup> .....	06	4	11.6	7.6	9.4	0.4	3.3	2.2
Nitrogenates.....	06	5201	89.9	2.6	6.7	6.6	-0.7	1.2
Phosphates.....	06	5202	31.4	-0.6	6.7	3.0	-2.4	-5.6
Other agricultural chemicals <sup>2</sup> .....	06	53	26.1	0.4	0.0	11.7	0.0	1.1
Plastic resins and materials.....	06	6	5.1	-0.4	-1.2	5.4	1.0	1.5
Industrial gases <sup>2</sup> .....	06	7903	21.8	1.9	3.5	0.1	1.3	0.5
Adhesives and sealants <sup>2</sup> .....	06	7904	22.0	2.3	0.8	2.5	0.9	3.3
Synthetic rubber <sup>2</sup> .....	07	1102	16.3	-0.1	0.8	3.3	0.6	2.4
Tires <sup>2</sup> .....	07	1201	15.2	1.1	0.1	3.1	0.7	0.6
Plastic construction products <sup>2</sup> .....	07	21	27.0	1.4	1.5	1.5	1.7	1.5
Unsupported plastic film, sheet, other shapes <sup>2</sup> .....	07	22	17.3	0.2	1.6	1.0	0.6	2.7
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	12.6	0.3	0.7	0.6	1.0	1.7
Plastic packaging products <sup>2</sup> .....	07	2A	15.1	-0.3	0.5	1.7	0.7	0.7
Softwood lumber.....	08	11	-38.1	2.4	5.5	-15.9	-0.1	-22.6
Hardwood lumber <sup>2</sup> .....	08	12	9.6	2.9	0.1	0.3	2.8	-0.7
Millwork.....	08	2	13.2	2.0	0.9	2.0	0.4	-0.7
Plywood <sup>2</sup> .....	08	3	-25.2	8.0	7.1	-6.9	-3.9	-0.8
Paper <sup>2</sup> .....	09	13	14.3	0.3	0.8	1.4	0.8	1.3
Paperboard <sup>2</sup> .....	09	14	20.7	1.4	1.2	1.7	1.9	2.4
Paper boxes and containers <sup>2</sup> .....	09	1503	20.5	2.0	0.4	2.5	2.5	0.4
Building paper and board <sup>2</sup> .....	09	2	-19.6	18.2	13.9	-11.7	-12.8	-5.3
Commercial printing <sup>2</sup> .....	09	47	16.8	1.9	2.2	1.4	1.5	1.1
Foundry and forge shop products <sup>2</sup> .....	10	15	21.7	1.1	5.0	2.2	1.8	1.2
Steel mill products <sup>2</sup> .....	10	17	22.4	-9.4	-5.9	2.7	10.7	-1.8
Primary nonferrous metals <sup>2</sup> .....	10	22	3.1	5.0	1.8	0.8	-12.0	-2.0
Secondary nonferrous metals <sup>2</sup> .....	10	24	7.8	3.8	1.8	4.3	-3.3	-2.1
Aluminum mill shapes <sup>2</sup> .....	10	2501	20.3	6.9	6.1	3.5	-3.7	-5.2
Copper and brass mill shapes <sup>2</sup> .....	10	2502	0.6	0.8	2.8	2.2	-4.1	-1.6
Nonferrous wire and cable <sup>2</sup> .....	10	26	15.1	2.0	3.4	1.4	1.0	-0.6
Nonferrous foundry shop products.....	10	28	14.8	1.3	0.8	3.7	0.8	0.1
Metal containers <sup>2</sup> .....	10	3	28.6	2.0	-0.5	2.5	0.6	0.1
Hardware <sup>2</sup> .....	10	4	13.3	0.9	0.6	0.1	0.5	0.2
Plumbing fixtures and brass fittings.....	10	5	11.0	-1.0	0.5	2.1	0.3	0.4
Heating equipment <sup>2</sup> .....	10	6	16.9	1.4	0.7	0.3	0.6	0.8
Fabricated structural metal products.....	10	7	26.2	1.2	1.1	1.5	1.2	0.6
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	16.3	1.3	0.3	2.6	1.6	0.3
Lighting fixtures <sup>2</sup> .....	10	83	9.4	0.5	1.4	1.0	0.1	0.7
Fabricated ferrous wire products <sup>2</sup> .....	10	88	31.9	2.3	3.9	3.7	0.1	0.4
Other miscellaneous metal products <sup>2</sup> .....	10	89	13.1	0.9	1.6	0.4	1.3	0.4
Fluid power equipment.....	11	43	14.2	0.9	0.7	1.6	0.4	1.7
Mechanical power transmission equipment <sup>2</sup> .....	11	45	12.9	0.3	1.4	1.0	1.5	0.5
Air conditioning and refrigeration equipment <sup>2</sup> .....	11	48	25.0	2.3	1.8	2.7	0.6	2.1
Metal valves, except fluid power.....	11	4902	14.0	1.5	0.7	1.4	3.2	0.2
Ball and roller bearings <sup>2</sup> .....	11	4905	12.7	1.5	1.8	0.0	1.7	2.5
Wiring devices <sup>2</sup> .....	11	71	25.9	1.1	0.2	2.0	0.2	3.7
Motors, generators, motor generator sets <sup>2</sup> .....	11	73	16.9	2.8	0.4	1.0	0.5	0.6
Switchgear, switchboard, and industrial controls equip. <sup>2</sup> .....	11	75	21.2	3.8	2.6	0.4	0.7	3.0
Electronic components and accessories.....	11	78	4.1	0.1	0.5	-0.6	0.4	0.7
Internal combustion engines <sup>2</sup> .....	11	94	7.0	0.0	0.0	1.7	1.0	0.0
Machine shop products <sup>2</sup> .....	11	95	8.4	0.1	0.1	0.7	2.1	1.3
Flat glass <sup>2</sup> .....	13	11	8.3	1.1	-0.9	1.0	0.2	0.1
Cement.....	13	22	6.8	0.8	0.4	-0.2	0.1	0.1
Concrete products.....	13	3	13.5	1.3	0.3	1.6	1.4	1.9
Asphalt felts and coatings <sup>2</sup> .....	13	6	20.7	2.4	1.4	1.1	1.4	3.0
Paving mixtures and blocks.....	13	94	17.7	1.1	1.7	2.6	2.8	2.5
Motor vehicle parts <sup>2</sup> .....	14	12	5.0	0.2	0.2	0.6	0.2	0.4
Aircraft engines and engine parts.....	14	23	3.8	0.2	1.2	0.3	0.3	0.7

See footnotes at end of table.



**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
[June 2022]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2021 to June 2022 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	2.3	-0.1	0.0	-0.1	0.2	0.4
Medical, surgical, and personal aid devices.....	15	6	2.7	0.5	0.5	0.3	-0.1	0.2
Unprocessed goods for intermediate demand.....	ID6	2	58.0	9.8	2.7	5.6	6.2	9.5
Unprocessed foodstuffs and feedstuffs.....	ID6	21	29.1	5.4	7.6	4.3	0.2	0.2
Wheat <sup>2</sup> .....	01	21	64.6	1.3	24.3	4.3	1.1	-4.1
Corn.....	01	2202	14.8	1.8	14.5	3.5	0.5	3.8
Slaughter cattle.....	01	31	17.4	3.3	-0.4	1.2	1.6	5.0
Slaughter hogs.....	01	32	-12.2	30.7	-2.4	2.9	-9.4	-4.0
Slaughter chickens.....	01	4102	63.9	0.6	19.0	5.4	-0.5	2.0
Slaughter turkeys.....	01	42	23.8	0.1	0.4	4.9	1.5	5.3
Raw milk.....	01	6	50.8	4.2	5.0	4.2	2.2	2.0
Hay and hayseeds <sup>2</sup> .....	01	81	30.4	8.7	4.3	-11.5	10.1	-1.0
Oilseeds.....	01	8301	17.3	9.3	5.6	1.3	-0.6	4.8
Raw cane sugar and byproducts <sup>2</sup> .....	02	5201	14.9	6.2	0.8	1.3	0.9	-0.6
Unprocessed nonfood materials.....	ID6	22	74.3	12.0	0.5	6.3	9.1	13.5
Raw cotton <sup>2</sup> .....	01	51	70.1	4.7	-1.5	12.9	3.7	-0.1
Hides and skins.....	04	1	-20.2	9.4	-8.7	4.2	-5.8	3.5
Coal.....	05	1	51.8	0.0	5.4	12.9	4.3	3.2
Natural gas <sup>2</sup> .....	05	31	224.5	29.0	-20.7	19.7	37.2	24.3
Crude petroleum <sup>2</sup> .....	05	61	77.1	12.4	10.6	0.7	1.4	19.4
Logs, bolts, timber, pulpwood, and woodchips <sup>2</sup> .....	08	5	5.5	0.3	0.4	0.2	1.1	0.9
Recyclable paper <sup>2</sup> .....	09	12	19.2	-0.4	3.0	3.3	-6.1	-0.1
Iron ores.....	10	11	16.3	1.5	3.4	-3.7	-4.0	8.0
Iron and steel scrap <sup>2</sup> .....	10	12	-6.2	-0.3	24.8	0.2	-11.7	-10.4
Nonferrous metal ores <sup>2</sup> .....	10	21	8.0	-0.1	6.3	-0.4	-3.7	-1.6
Copper base scrap <sup>2</sup> .....	10	2301	-2.3	1.4	1.6	1.5	-7.5	-2.7
Aluminum base scrap.....	10	2302	14.9	0.8	3.6	12.9	-8.4	-0.6
Construction sand, gravel, and crushed stone.....	13	21	9.3	1.1	0.8	0.9	0.6	0.9
Services for intermediate demand.....	ID6	3	6.3	0.2	1.2	0.7	0.4	0.0
Trade services for intermediate demand <sup>3</sup> .....	ID6	33	11.7	1.4	4.0	0.6	0.4	0.2
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	15.7	1.7	0.3	-1.1	0.5	2.1
Building materials, paint, and hardware wholesaling.....	57	3	22.5	2.2	4.1	0.6	-1.2	-0.8
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	1.3	-6.1	6.6	6.0	3.2	-2.4
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	7.0	1.8	0.4	2.6	3.6	-0.2
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	25.3	0.5	6.4	3.2	3.1	-0.7
Food wholesaling <sup>2</sup> .....	57	8101	11.1	3.1	2.1	0.9	-1.0	0.9
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	15.4	0.6	1.8	1.2	1.5	2.4
Hardware, building material, and supplies retailing.....	58	D	-9.6	9.1	10.4	-3.8	-4.9	-3.1
Transportation and warehousing services for intermediate demand.....	ID6	32	13.5	0.4	2.1	1.7	0.9	-0.2
Rail transportation of freight and mail <sup>2</sup> .....	30	11	11.1	0.3	0.7	2.7	2.0	0.5
Truck transportation of freight <sup>2</sup> .....	30	12	23.4	2.1	4.9	1.7	2.3	-0.4
Water transportation of freight <sup>2</sup> .....	30	13	30.0	1.1	-0.9	8.3	12.4	-1.5
Air transportation of freight <sup>2</sup> .....	30	14	13.0	-2.8	2.4	2.0	-0.8	2.9
U.S. Postal Service.....	30	1601	5.5	-1.9	0.2	0.2	0.3	0.1
Courier and messenger services, except air mail.....	30	1602	11.0	0.7	1.1	1.2	1.0	0.6
Air mail and package delivery services, excluding by USPS.....	30	1603	20.3	2.4	2.6	4.2	3.7	-2.2
Pipeline transportation <sup>2</sup> .....	30	17	-	-	-	-	-	0.0
Transportation of passengers (partial).....	30	2	30.2	3.3	10.9	2.2	3.8	3.9
Services related to water transportation.....	31	1	5.3	0.5	0.5	1.2	0.7	0.1
Arrangement of freight and cargo <sup>2</sup> .....	31	31	8.6	2.7	-1.1	-2.5	-5.8	-5.5
Warehousing, storage, and related services <sup>2</sup> .....	32	1	16.6	-4.4	-0.1	5.2	-2.0	2.9
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	3.0	-0.2	0.0	0.6	0.3	-0.1
Network compensation from broadcast TV, cable TV, radio <sup>2</sup> .....	35	-	4.8	0.0	0.0	0.0	0.0	2.4
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	0.7	-2.4	1.8	-1.2	0.6	0.4
Advertising space sales in directories and mail lists <sup>2</sup> .....	36	12	0.1	0.0	0.0	0.0	0.0	0.0
Television advertising time sales.....	36	2	-2.2	-1.8	1.3	3.3	1.7	-4.6
Radio advertising time sales.....	36	3	7.7	9.6	1.1	-2.1	8.8	-3.2
Internet advertising space sales, excluding Internet ads sold by print publishers <sup>2</sup> .....	36	5	8.4	-1.2	4.4	0.6	0.4	0.2
Business wired telecommunication services <sup>2</sup> .....	37	12	0.7	0.0	0.0	0.0	0.0	0.6
Wireless telecommunication services.....	37	2	0.2	0.7	-0.1	-0.1	0.0	0.2
Cable and satellite subscriber services.....	37	3	3.2	-0.2	0.3	0.1	0.5	0.7
Bundled wired telecommunication access services <sup>2</sup> .....	37	5	2.8	0.0	0.1	0.0	0.0	-0.5
Data processing and related services <sup>2</sup> .....	38	1	-0.6	0.1	-0.8	0.1	0.1	-0.1
Business loans (partial).....	39	11	19.8	-2.2	1.7	4.3	3.8	4.8

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
[June 2022]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2021 to June 2022 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Deposit services (partial) <sup>2</sup> .....	39	2	-5.2	-0.6	-5.1	-1.1	-0.2	1.8
Other credit intermediation, incl. trust services (partial) <sup>2</sup> .....	39	3	-1.9	1.2	-0.2	0.1	-1.0	0.0
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	-1.3	1.7	-4.4	-0.4	5.3	-4.4
Portfolio management <sup>2</sup> .....	40	2	-7.9	-3.8	-1.3	-2.1	-2.0	-2.7
Investment banking <sup>2</sup> .....	40	3	-3.2	0.9	-5.7	-0.6	-0.3	-4.5
Life insurance <sup>2</sup> .....	41	1101	2.8	1.0	0.1	-0.1	0.0	0.0
Health and medical insurance.....	41	1103	2.3	-0.4	0.1	0.1	0.1	0.2
Property and casualty insurance <sup>2</sup> .....	41	1104	1.4	0.4	0.1	0.1	0.2	0.4
Annuities <sup>2</sup> .....	41	2	-1.0	-1.6	2.2	-0.4	-0.1	0.0
Commissions from sales of insurance <sup>2</sup> .....	42	1	0.3	0.2	0.0	-0.1	0.0	0.0
Nonresidential real estate rents <sup>2</sup> .....	43	11	2.7	-2.1	-0.7	3.4	-1.4	-0.1
Nonresidential property sales and leases <sup>2</sup> .....	43	12	7.4	-0.3	0.0	0.2	0.1	0.1
Residential property management fees <sup>2</sup> .....	43	22	1.8	0.9	0.2	0.7	-1.4	-0.1
Passenger car rental.....	44	1	-2.2	-2.2	7.9	9.3	-5.3	-3.9
Truck, utility trailer, and RV rental and leasing <sup>2</sup> .....	44	2	4.3	-0.8	1.8	1.7	-1.7	1.4
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	5.2	0.6	-0.1	0.1	0.9	2.6
Legal services.....	45	1	3.7	0.3	0.4	-0.2	-0.2	0.0
Accounting services (partial).....	45	2	3.3	1.3	0.9	0.5	0.0	0.4
Architectural and engineering services.....	45	3	4.7	0.0	0.8	0.3	0.2	0.2
Management, scientific, and technical consulting services.....	45	4	0.2	-0.4	0.2	-0.2	-0.4	-0.3
Advertising and related services (partial) <sup>2</sup> .....	45	5	8.2	1.2	0.2	0.5	0.0	0.0
Permanent placement services <sup>2</sup> .....	46	1	4.0	-0.7	0.2	0.1	0.3	0.5
Executive search services <sup>2</sup> .....	46	2	0.2	3.8	-1.5	-0.5	3.2	-0.1
Staffing services.....	46	3	5.3	0.3	0.8	0.6	0.9	0.0
Security guard services <sup>2</sup> .....	48	1	8.3	0.1	0.1	0.8	-0.2	2.8
Janitorial services <sup>2</sup> .....	49	1	8.3	1.1	0.0	1.1	0.3	0.0
Waste collection.....	50	1	6.2	0.8	0.5	1.0	0.7	0.8
Traveler accommodation services.....	53	11	23.2	-2.9	12.6	-3.9	-2.4	4.1
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	9.6	3.1	1.1	1.2	0.0	0.4
Aircraft repair and maintenance.....	55	4	5.0	0.0	0.4	0.1	0.0	0.2
Metal treatment services <sup>2</sup> .....	59	1	11.4	1.0	1.7	1.6	0.5	-0.2
Construction for intermediate demand.....	ID6	4	12.5	1.1	1.2	0.8	0.7	0.8
Maintenance and repair of non-residential buildings (partial) <sup>2</sup> .....	80	2	12.5	1.0	1.2	0.8	0.7	0.9
<b>Intermediate Demand by Production Flow</b>								
Stage 4 intermediate demand.....	ID5	4	10.8	0.6	1.1	0.9	0.8	0.6
Stage 4 intermediate demand goods.....	ID5	9411	15.8	1.2	1.6	1.3	1.3	1.3
Grains.....	01	2	23.6	1.9	16.0	3.6	0.7	1.8
Meats.....	02	21	-9.3	-0.7	-2.1	-0.5	-6.0	-0.6
Unprocessed and packaged fish.....	02	23	13.0	-1.1	0.0	2.5	-2.1	-0.3
Dairy products.....	02	3	21.2	3.7	3.3	3.1	0.9	0.4
Commercial electric power.....	05	42	13.4	-2.5	3.1	-0.2	-1.5	6.4
Industrial electric power.....	05	43	11.2	1.8	-1.1	0.5	1.5	1.2
Gasoline.....	05	71	86.7	14.4	5.7	-3.1	8.6	18.5
No. 2 diesel fuel.....	05	7303	111.1	14.2	21.6	8.4	2.4	13.9
Basic organic chemicals.....	06	14	16.2	1.6	3.8	0.2	3.0	0.2
Prepared paint <sup>2</sup> .....	06	21	28.6	0.7	1.0	5.3	1.1	2.5
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	1.2	0.0	0.0	0.1	-1.2	0.4
Biological products, including diagnostics.....	06	37	4.9	0.1	-0.2	0.9	0.2	0.4
Pharmaceutical preparations.....	06	38	1.4	0.5	0.1	0.3	0.1	0.2
Plastic construction products <sup>2</sup> .....	07	21	27.0	1.4	1.5	1.5	1.7	1.5
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	17.3	0.2	1.6	1.0	0.6	2.7
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	12.6	0.3	0.7	0.6	1.0	1.7
Plastic packaging products <sup>2</sup> .....	07	2A	15.1	-0.3	0.5	1.7	0.7	0.7
Lumber.....	08	1	-27.4	2.5	4.2	-12.0	0.7	-16.4
Millwork.....	08	2	13.2	2.0	0.9	2.0	0.4	-0.7
Paper boxes and containers <sup>2</sup> .....	09	1503	20.5	2.0	0.4	2.5	2.5	0.4
Commercial printing <sup>2</sup> .....	09	47	16.8	1.9	2.2	1.4	1.5	1.1
Steel mill products <sup>2</sup> .....	10	17	22.4	-9.4	-5.9	2.7	10.7	-1.8
Nonferrous wire and cable <sup>2</sup> .....	10	26	15.1	2.0	3.4	1.4	1.0	-0.6
Fabricated structural metal products.....	10	7	26.2	1.2	1.1	1.5	1.2	0.6
Other miscellaneous metal products <sup>2</sup> .....	10	89	13.1	0.9	1.6	0.4	1.3	0.4
Air conditioning and refrigeration equipment <sup>2</sup> .....	11	48	25.0	2.3	1.8	2.7	0.6	2.1
Wiring devices <sup>2</sup> .....	11	71	25.9	1.1	0.2	2.0	0.2	3.7

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
[June 2022]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2021 to June 2022 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Electronic components and accessories.....	11	78	4.1	0.1	0.5	-0.6	0.4	0.7
Miscellaneous electrical machinery and equipment <sup>2</sup> .....	11	79	4.8	0.6	0.4	-0.1	0.9	0.0
Internal combustion engines <sup>2</sup> .....	11	94	7.0	0.0	0.0	1.7	1.0	0.0
Machine shop products <sup>2</sup> .....	11	95	8.4	0.1	0.1	0.7	2.1	1.3
Concrete ingredients and related products.....	13	2	8.7	1.0	0.7	0.6	0.5	0.7
Concrete products.....	13	3	13.5	1.3	0.3	1.6	1.4	1.9
Prepared asphalt, tar roofing and siding products <sup>2</sup> .....	13	61	22.2	2.4	1.6	0.9	2.2	3.2
Paving mixtures and blocks.....	13	94	17.7	1.1	1.7	2.6	2.8	2.5
Motor vehicle parts <sup>2</sup> .....	14	12	5.0	0.2	0.2	0.6	0.2	0.4
Aircraft engines and engine parts.....	14	23	3.8	0.2	1.2	0.3	0.3	0.7
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	2.3	-0.1	0.0	-0.1	0.2	0.4
Medical, surgical and personal aid devices.....	15	6	2.7	0.5	0.5	0.3	-0.1	0.2
Stage 4 intermediate demand services.....	ID5	9412	6.1	0.0	0.7	0.6	0.4	0.0
Truck transportation of freight <sup>2</sup> .....	30	12	23.4	2.1	4.9	1.7	2.3	-0.4
Courier, messenger, and U.S. postal services.....	30	16	10.3	-0.1	1.0	1.3	1.2	-0.1
Airline passenger services.....	30	22	30.7	3.3	11.1	2.2	3.9	4.0
Warehousing, storage, and related services <sup>2</sup> .....	32	1	16.6	-4.4	-0.1	5.2	-2.0	2.9
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	0.7	-2.4	1.8	-1.2	0.6	0.4
Data processing and related services <sup>2</sup> .....	38	1	-0.6	0.1	-0.8	0.1	0.1	-0.1
Business loans (partial).....	39	11	19.8	-2.2	1.7	4.3	3.8	4.8
Deposit services (partial) <sup>2</sup> .....	39	2	-5.2	-0.6	-5.1	-1.1	-0.2	1.8
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	-1.3	1.7	-4.4	-0.4	5.3	-4.4
Portfolio management <sup>2</sup> .....	40	2	-7.9	-3.8	-1.3	-2.1	-2.0	-2.7
Investment banking <sup>2</sup> .....	40	3	-3.2	0.9	-5.7	-0.6	-0.3	-4.5
Insurance.....	41	11	1.9	0.3	0.2	0.2	0.0	0.2
Annuities <sup>2</sup> .....	41	2	-1.0	-1.6	2.2	-0.4	-0.1	0.0
Nonresidential real estate rents <sup>2</sup> .....	43	11	2.7	-2.1	-0.7	3.4	-1.4	-0.1
Nonresidential property sales and leases <sup>2</sup> .....	43	12	7.4	-0.3	0.0	0.2	0.1	0.1
Nonresidential property management fees <sup>2</sup> .....	43	13	4.6	2.0	0.0	-0.6	-0.9	2.0
Residential property management fees <sup>2</sup> .....	43	22	1.8	0.9	0.2	0.7	-1.4	-0.1
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	5.2	0.6	-0.1	0.1	0.9	2.6
Legal services.....	45	1	3.7	0.3	0.4	-0.2	-0.2	0.0
Advertising agency services <sup>2</sup> .....	45	51	8.2	1.2	0.2	0.5	0.0	0.0
Accounting services (partial).....	45	2	3.3	1.3	0.9	0.5	0.0	0.4
Architectural and engineering services.....	45	3	4.7	0.0	0.8	0.3	0.2	0.2
Management, scientific, and technical consulting services.....	45	4	0.2	-0.4	0.2	-0.2	-0.4	-0.3
Staffing services.....	46	3	5.3	0.3	0.8	0.6	0.9	0.0
Janitorial services <sup>2</sup> .....	49	1	8.3	1.1	0.0	1.1	0.3	0.0
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	9.6	3.1	1.1	1.2	0.0	0.4
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	15.7	1.7	0.3	-1.1	0.5	2.1
Building materials, paint, and hardware wholesaling.....	57	3	22.5	2.2	4.1	0.6	-1.2	-0.8
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	1.3	-6.1	6.6	6.0	3.2	-2.4
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	7.0	1.8	0.4	2.6	3.6	-0.2
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	25.3	0.5	6.4	3.2	3.1	-0.7
Food and alcohol wholesaling <sup>2</sup> .....	57	8	10.3	2.5	2.8	0.1	-0.4	0.6
Hardware and building materials and supplies retailing.....	58	D	-9.6	9.1	10.4	-3.8	-4.9	-3.1
Metal treatment services <sup>2</sup> .....	59	1	11.4	1.0	1.7	1.6	0.5	-0.2
Stage 3 intermediate demand.....	ID5	3	18.1	1.4	3.1	2.5	1.6	0.9
Stage 3 intermediate demand goods.....	ID5	9311	29.3	2.6	4.6	3.8	2.4	1.9
Slaughter cattle.....	01	31	17.4	3.3	-0.4	1.2	1.6	5.0
Slaughter hogs.....	01	32	-12.2	30.7	-2.4	2.9	-9.4	-4.0
Slaughter poultry.....	01	4	56.0	0.5	15.7	5.2	-0.2	2.5
Raw milk.....	01	6	50.8	4.2	5.0	4.2	2.2	2.0
Commercial electric power.....	05	42	13.4	-2.5	3.1	-0.2	-1.5	6.4
Industrial electric power.....	05	43	11.2	1.8	-1.1	0.5	1.5	1.2
Gasoline.....	05	71	86.7	14.4	5.7	-3.1	8.6	18.5
Jet fuel <sup>2</sup> .....	05	7203	116.5	13.5	23.4	13.3	10.0	-2.7
No. 2 diesel fuel.....	05	7303	111.1	14.2	21.6	8.4	2.4	13.9
Finished lubricants <sup>2</sup> .....	05	76	21.1	0.4	1.1	4.6	-0.1	5.3
Lubricating oil base stocks <sup>2</sup> .....	05	78	54.2	0.2	3.1	13.2	9.2	10.2
Asphalt.....	05	8102	77.5	3.2	7.1	18.9	13.4	1.9
Basic inorganic chemicals <sup>2</sup> .....	06	13	26.6	2.8	1.3	2.6	3.5	1.7
Basic organic chemicals.....	06	14	16.2	1.6	3.8	0.2	3.0	0.2
Paints and allied products <sup>2</sup> .....	06	2	24.4	0.9	0.8	4.6	1.6	2.1

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
[June 2022]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2021 to June 2022 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Agricultural chemicals and chemical products.....	06	5	40.7	1.3	3.8	6.2	-0.5	-2.1
Plastic resins and materials.....	06	6	5.1	-0.4	-1.2	5.4	1.0	1.5
Synthetic rubber <sup>2</sup> .....	07	1102	16.3	-0.1	0.8	3.3	0.6	2.4
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	17.3	0.2	1.6	1.0	0.6	2.7
Paper <sup>2</sup> .....	09	13	14.3	0.3	0.8	1.4	0.8	1.3
Paperboard <sup>2</sup> .....	09	14	20.7	1.4	1.2	1.7	1.9	2.4
Converted paper and paperboard products <sup>2</sup> .....	09	15	16.7	1.5	0.7	1.7	2.1	1.0
Commercial printing <sup>2</sup> .....	09	47	16.8	1.9	2.2	1.4	1.5	1.1
Foundry and forge shop products <sup>2</sup> .....	10	15	21.7	1.1	5.0	2.2	1.8	1.2
Steel mill products <sup>2</sup> .....	10	17	22.4	-9.4	-5.9	2.7	10.7	-1.8
Nonferrous mill shapes <sup>2</sup> .....	10	25	13.6	4.2	4.4	3.1	-3.2	-3.4
Nonferrous foundry shop products.....	10	28	14.8	1.3	0.8	3.7	0.8	0.1
Metal containers <sup>2</sup> .....	10	3	28.6	2.0	-0.5	2.5	0.6	0.1
Structural, architectural, and pre-engineered metal products.....	10	74	32.3	1.0	2.0	1.8	1.1	0.7
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	16.3	1.3	0.3	2.6	1.6	0.3
Other miscellaneous metal products <sup>2</sup> .....	10	89	13.1	0.9	1.6	0.4	1.3	0.4
General purpose machinery and equipment.....	11	4	16.2	1.5	1.0	1.8	1.2	1.1
Electrical machinery and equipment.....	11	7	7.9	0.6	0.6	0.2	0.5	0.9
Construction sand, gravel, and crushed stone.....	13	21	9.3	1.1	0.8	0.9	0.6	0.9
Cement.....	13	22	6.8	0.8	0.4	-0.2	0.1	0.1
Motor vehicle parts <sup>2</sup> .....	14	12	5.0	0.2	0.2	0.6	0.2	0.4
Aircraft and aircraft equipment.....	14	2	4.0	0.2	1.1	0.3	0.3	0.5
Stage 3 intermediate demand services.....	ID5	9312	7.1	0.1	1.5	1.1	0.6	-0.3
Rail transportation of freight and mail <sup>2</sup> .....	30	11	11.1	0.3	0.7	2.7	2.0	0.5
Courier, messenger, and U.S. postal services.....	30	16	10.3	-0.1	1.0	1.3	1.2	-0.1
Arrangement of freight and cargo <sup>2</sup> .....	31	31	8.6	2.7	-1.1	-2.5	-5.8	-5.5
Freight forwarding <sup>2</sup> .....	31	3201	8.5	-2.2	1.0	5.1	0.0	-1.1
Warehousing, storage, and related services <sup>2</sup> .....	32	1	16.6	-4.4	-0.1	5.2	-2.0	2.9
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	0.7	-2.0	1.5	-1.0	0.5	0.3
Wired telephone services <sup>2</sup> .....	37	1	0.7	0.0	0.0	0.0	0.0	0.4
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	2.8	0.0	0.1	0.0	0.0	-0.5
Data processing and related services <sup>2</sup> .....	38	1	-0.6	0.1	-0.8	0.1	0.1	-0.1
Business loans (partial).....	39	11	19.8	-2.2	1.7	4.3	3.8	4.8
Deposit services (partial) <sup>2</sup> .....	39	2	-5.2	-0.6	-5.1	-1.1	-0.2	1.8
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	-1.3	1.7	-4.4	-0.4	5.3	-4.4
Insurance.....	41	11	1.9	0.3	0.2	0.2	0.0	0.2
Nonresidential real estate rents <sup>2</sup> .....	43	11	2.7	-2.1	-0.7	3.4	-1.4	-0.1
Legal services.....	45	1	3.7	0.3	0.4	-0.2	-0.2	0.0
Accounting services (partial).....	45	2	3.3	1.3	0.9	0.5	0.0	0.4
Architectural and engineering services.....	45	3	4.7	0.0	0.8	0.3	0.2	0.2
Management, scientific, and technical consulting services.....	45	4	0.2	-0.4	0.2	-0.2	-0.4	-0.3
Advertising agency services <sup>2</sup> .....	45	51	8.2	1.2	0.2	0.5	0.0	0.0
Staffing services.....	46	3	5.3	0.3	0.8	0.6	0.9	0.0
Aircraft repair maintenance.....	55	4	5.0	0.0	0.4	0.1	0.0	0.2
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	15.7	1.7	0.3	-1.1	0.5	2.1
Building materials, paint, and hardware wholesaling.....	57	3	22.5	2.2	4.1	0.6	-1.2	-0.8
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	1.3	-6.1	6.6	6.0	3.2	-2.4
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	7.0	1.8	0.4	2.6	3.6	-0.2
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	25.3	0.5	6.4	3.2	3.1	-0.7
Food wholesaling <sup>2</sup> .....	57	8101	11.1	3.1	2.1	0.9	-1.0	0.9
Metal treatment services <sup>2</sup> .....	59	1	11.4	1.0	1.7	1.6	0.5	-0.2
Stage 2 intermediate demand.....	ID5	2	29.4	4.3	0.7	2.7	3.8	5.4
Stage 2 intermediate demand goods.....	ID5	9211	55.4	8.4	0.2	4.7	7.4	9.9
Corn.....	01	2202	14.8	1.8	14.5	3.5	0.5	3.8
Oilseeds.....	01	83	17.3	9.3	5.6	1.3	-0.6	4.8
Prepared animal feeds <sup>2</sup> .....	02	9	12.6	2.9	3.2	1.8	1.6	-0.1
Coal.....	05	1	51.8	0.0	5.4	12.9	4.3	3.2
Natural gas <sup>2</sup> .....	05	31	224.5	29.0	-20.7	19.7	37.2	24.3
Liquefied petroleum gas <sup>2</sup> .....	05	32	62.7	7.9	15.0	-1.4	-3.7	2.9
Crude petroleum <sup>2</sup> .....	05	61	77.1	12.4	10.6	0.7	1.4	19.4
No. 2 diesel fuel.....	05	7303	111.1	14.2	21.6	8.4	2.4	13.9
Industrial chemicals.....	06	1	17.5	1.7	3.5	0.5	3.1	0.4
Plastic resins and materials.....	06	6	5.1	-0.4	-1.2	5.4	1.0	1.5
Plastic products <sup>2</sup> .....	07	2	18.8	0.9	1.0	1.2	1.2	1.4
Logs, bolts, timber, pulpwood, and wood chips <sup>2</sup> .....	08	5	5.5	0.3	0.4	0.2	1.1	0.9

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [June 2022]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2021 to June 2022 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Paper <sup>2</sup> .....	09	13	14.3	0.3	0.8	1.4	0.8	1.3
Paperboard, excluding corrugated paperboard <sup>2</sup> .....	09	1411	20.8	1.5	1.3	2.0	1.9	1.6
Commercial printing <sup>2</sup> .....	09	47	16.8	1.9	2.2	1.4	1.5	1.1
Iron and steel scrap <sup>2</sup> .....	10	12	-6.2	-0.3	24.8	0.2	-11.7	-10.4
Steel mill products <sup>2</sup> .....	10	17	22.4	-9.4	-5.9	2.7	10.7	-1.8
Nonferrous mill shapes <sup>2</sup> .....	10	25	13.6	4.2	4.4	3.1	-3.2	-3.4
Electrical machinery and equipment.....	11	7	7.9	0.6	0.6	0.2	0.5	0.9
Electronic components and accessories.....	11	78	4.1	0.1	0.5	-0.6	0.4	0.7
Stage 2 intermediate demand services.....	ID5	9212	6.7	0.3	1.3	0.8	0.1	0.3
Rail transportation of freight and mail <sup>2</sup> .....	30	11	11.1	0.3	0.7	2.7	2.0	0.5
Truck transportation of freight <sup>2</sup> .....	30	12	23.4	2.1	4.9	1.7	2.3	-0.4
U.S. Postal Service.....	30	1601	5.5	-1.9	0.2	0.2	0.3	0.1
Courier and messenger services, except air.....	30	1602	11.0	0.7	1.1	1.2	1.0	0.6
Air mail and package delivery services, excluding by USPS.....	30	1603	20.3	2.4	2.6	4.2	3.7	-2.2
Pipeline transportation <sup>2</sup> .....	30	17	-	-	-	-	-	0.0
Airline passenger services.....	30	22	30.7	3.3	11.1	2.2	3.9	4.0
Arrangement of freight and cargo <sup>2</sup> .....	31	31	8.6	2.7	-1.1	-2.5	-5.8	-5.5
Television advertising time sales.....	36	21	-2.2	-1.8	1.3	3.3	1.7	-4.6
Wireless telecommunication services.....	37	2	0.2	0.7	-0.1	-0.1	0.0	0.2
Data processing and related services <sup>2</sup> .....	38	1	-0.6	0.1	-0.8	0.1	0.1	-0.1
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	-1.3	1.7	-4.4	-0.4	5.3	-4.4
Portfolio management <sup>2</sup> .....	40	2	-7.9	-3.8	-1.3	-2.1	-2.0	-2.7
Investment banking <sup>2</sup> .....	40	31	-3.2	0.9	-5.7	-0.6	-0.3	-4.5
Insurance.....	41	11	1.9	0.3	0.2	0.2	0.0	0.2
Commissions from sales of insurance <sup>2</sup> .....	42	11	0.3	0.2	0.0	-0.1	0.0	0.0
Legal services.....	45	1	3.7	0.3	0.4	-0.2	-0.2	0.0
Accounting services (partial).....	45	2	3.3	1.3	0.9	0.5	0.0	0.4
Management, scientific, and technical consulting services.....	45	4	0.2	-0.4	0.2	-0.2	-0.4	-0.3
Advertising agency services <sup>2</sup> .....	45	51	8.2	1.2	0.2	0.5	0.0	0.0
Staffing services.....	46	3	5.3	0.3	0.8	0.6	0.9	0.0
Security guard services <sup>2</sup> .....	48	1	8.3	0.1	0.1	0.8	-0.2	2.8
Janitorial services <sup>2</sup> .....	49	1	8.3	1.1	0.0	1.1	0.3	0.0
Traveler accommodation services.....	53	1	23.2	-2.9	12.6	-3.9	-2.4	4.1
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	9.6	3.1	1.1	1.2	0.0	0.4
Hardware and building materials and supplies retailing.....	58	D	-9.6	9.1	10.4	-3.8	-4.9	-3.1
Stage 1 intermediate demand.....	ID5	1	15.8	1.0	2.7	1.7	1.3	1.4
Stage 1 intermediate demand goods.....	ID5	9111	25.2	1.6	3.3	2.7	2.1	2.8
Prepared animal feeds <sup>2</sup> .....	02	9	12.6	2.9	3.2	1.8	1.6	-0.1
Commercial electric power.....	05	42	13.4	-2.5	3.1	-0.2	-1.5	6.4
Industrial electric power.....	05	43	11.2	1.8	-1.1	0.5	1.5	1.2
Commercial natural gas.....	05	52	43.9	0.4	0.2	5.4	9.2	9.3
Industrial natural gas.....	05	53	50.2	9.2	-7.8	6.4	15.9	10.1
Gasoline.....	05	71	86.7	14.4	5.7	-3.1	8.6	18.5
No. 2 diesel fuel.....	05	7303	111.1	14.2	21.6	8.4	2.4	13.9
Industrial chemicals.....	06	1	17.5	1.7	3.5	0.5	3.1	0.4
Prepared paint <sup>2</sup> .....	06	21	28.6	0.7	1.0	5.3	1.1	2.5
Plastic construction products <sup>2</sup> .....	07	21	27.0	1.4	1.5	1.5	1.7	1.5
Recyclable paper <sup>2</sup> .....	09	12	19.2	-0.4	3.0	3.3	-6.1	-0.1
Paper <sup>2</sup> .....	09	13	14.3	0.3	0.8	1.4	0.8	1.3
Converted paper and paperboard products <sup>2</sup> .....	09	15	16.7	1.5	0.7	1.7	2.1	1.0
Iron and steel scrap <sup>2</sup> .....	10	12	-6.2	-0.3	24.8	0.2	-11.7	-10.4
Steel mill products <sup>2</sup> .....	10	17	22.4	-9.4	-5.9	2.7	10.7	-1.8
Primary nonferrous metals <sup>2</sup> .....	10	22	3.1	5.0	1.8	0.8	-12.0	-2.0
Nonferrous scrap.....	10	23	-7.7	6.1	4.4	3.7	-9.0	-5.3
Nonferrous wire and cable <sup>2</sup> .....	10	26	15.1	2.0	3.4	1.4	1.0	-0.6
Fabricated structural metal products.....	10	7	26.2	1.2	1.1	1.5	1.2	0.6
General purpose machinery and equipment.....	11	4	16.2	1.5	1.0	1.8	1.2	1.1
Construction sand, gravel, and crushed stone.....	13	21	9.3	1.1	0.8	0.9	0.6	0.9
Stage 1 intermediate demand services.....	ID5	9112	6.2	0.2	2.0	0.6	0.6	-0.3
Truck transportation of freight <sup>2</sup> .....	30	12	23.4	2.1	4.9	1.7	2.3	-0.4
Airline passenger services.....	30	22	30.7	3.3	11.1	2.2	3.9	4.0
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	0.7	-2.0	1.5	-1.0	0.5	0.3
Business wired telecommunication services <sup>2</sup> .....	37	12	0.7	0.0	0.0	0.0	0.0	0.6
Wireless telecommunication services.....	37	2	0.2	0.7	-0.1	-0.1	0.0	0.2

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [June 2022]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2021 to June 2022 <sup>p</sup>	Jan. to Feb.	Feb. to Mar. <sup>p</sup>	Mar. to Apr. <sup>p</sup>	Apr. to May <sup>p</sup>
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	2.8	0.0	0.1	0.0	0.0	-0.5
Business loans (partial).....	39	11	19.8	-2.2	1.7	4.3	3.8	4.8
Deposit services (partial) <sup>2</sup> .....	39	2	-5.2	-0.6	-5.1	-1.1	-0.2	1.8
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	-1.3	1.7	-4.4	-0.4	5.3	-4.4
Portfolio management <sup>2</sup> .....	40	2	-7.9	-3.8	-1.3	-2.1	-2.0	-2.7
Investment banking <sup>2</sup> .....	40	3	-3.2	0.9	-5.7	-0.6	-0.3	-4.5
Insurance.....	41	11	1.9	0.3	0.2	0.2	0.0	0.2
Nonresidential real estate rents <sup>2</sup> .....	43	11	2.7	-2.1	-0.7	3.4	-1.4	-0.1
Architectural and engineering services.....	45	3	4.7	0.0	0.8	0.3	0.2	0.2
Management consulting services.....	45	41	0.2	-0.4	0.2	-0.2	-0.4	-0.3
Waste collection.....	50	1	6.2	0.8	0.5	1.0	0.7	0.8
Traveler accommodation services.....	53	11	23.2	-2.9	12.6	-3.9	-2.4	4.1
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	9.6	3.1	1.1	1.2	0.0	0.4
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	15.7	1.7	0.3	-1.1	0.5	2.1
Building materials, paint, and hardware wholesaling.....	57	3	22.5	2.2	4.1	0.6	-1.2	-0.8
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	1.3	-6.1	6.6	6.0	3.2	-2.4
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	7.0	1.8	0.4	2.6	3.6	-0.2
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	25.3	0.5	6.4	3.2	3.1	-0.7
Hardware and building materials and supplies retailing.....	58	D	-9.6	9.1	10.4	-3.8	-4.9	-3.1
Mining services <sup>2</sup> .....	60	1	11.2	0.0	1.7	0.0	2.1	0.3

<sup>1</sup> All indexes are subject to revision for 4 months after their originally scheduled publication to incorporate late reports and corrections by survey respondents. In addition, seasonally adjusted indexes are subject to change for up to 5 years due to the recalculation of seasonal factors published each January.

<sup>2</sup> Seasonal tests did not indicate the presence of seasonality. Data shown is not seasonally adjusted.

<sup>3</sup> Trade indexes measure changes in margins received by wholesalers and retailers.

p Preliminary

"-" Data not available.

NOTE: The term "(partial)" denotes incomplete coverage of the index category.

**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted**  
 [June 2022, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Feb. 2022	Mar. 2022 <sup>p</sup>	Apr. 2022 <sup>p</sup>	May 2022 <sup>p</sup>	June 2022 <sup>p</sup>
<b>Final Demand</b>								
Final demand.....		FD	4	134.957	137.118	137.705	138.885	140.427
Final demand goods.....		FD	41	137.220	140.508	142.303	144.343	147.867
Final demand foods.....		FD	411	142.211	145.640	147.784	148.476	148.583
Finished consumer foods <sup>2</sup> .....	00/82	FD	4111	247.276	252.464	256.055	257.699	257.340
Finished consumer foods, crude.....	00/82	FD	411113	245.658	278.297	282.970	281.423	259.602
Finished consumer foods, processed.....	00/82	FD	411112	247.993	250.241	253.723	255.714	257.673
Government purchased foods.....		FD	4112	147.391	148.380	150.545	149.949	150.314
Foods for export.....		FD	4113	152.823	159.954	162.686	162.747	164.337
Final demand energy.....		FD	412	145.930	155.518	158.071	165.367	181.867
Finished consumer energy goods <sup>2</sup> .....	00/82	FD	4121	228.011	239.399	239.100	249.777	276.199
Government purchased energy.....		FD	4122	154.459	174.433	186.390	195.132	210.724
Energy for export.....		FD	4123	140.763	157.960	174.887	185.452	200.192
Final demand goods less foods and energy.....		FD	413	133.285	134.704	136.187	137.046	137.668
Finished goods less foods and energy <sup>2</sup> .....	00/82	FD	4131	229.552	231.112	233.460	235.265	236.869
Finished consumer goods less foods and energy.....	00/82	FD	41311	256.224	257.806	259.866	262.063	263.694
Nondurable consumer goods less foods and energy.....	00/82	FD	413111	328.834	330.466	332.834	336.069	338.348
Durable consumer goods.....	00/82	FD	413112	181.126	182.618	184.334	185.495	186.475
Private capital equipment.....	00/82	FD	41312	196.102	197.572	200.069	201.452	202.961
Private capital equipment for manufacturing industries.....	00/82	FD	413121	206.829	209.150	212.591	214.645	216.025
Private capital equipment for nonmanufacturing industries.....	00/82	FD	413122	192.829	194.066	196.303	197.503	199.043
Government purchased goods, excluding foods and energy.....		FD	4132	129.848	131.584	132.583	133.807	134.628
Government purchased goods excluding foods, energy, and capital equipment.....		FD	41321	138.331	140.314	141.885	143.546	144.655
Government purchased capital equipment.....		FD	41322	117.341	118.744	119.007	119.664	120.111
Goods for export, excluding foods and energy.....		FD	4133	134.539	136.744	138.598	139.009	139.030
Final demand services.....		FD	42	133.123	134.736	134.591	135.345	135.893
Final demand trade services <sup>3</sup> .....		FD	423	143.932	146.565	146.130	147.609	148.840
Trade of finished goods <sup>2</sup> .....		FD	4231	142.881	145.535	145.025	146.395	147.604
Trade of personal consumption goods.....		FD	42311	141.894	144.956	144.627	145.842	147.058
Trade of private capital equipment.....		FD	42312	145.620	146.459	145.158	147.191	148.358
Trade of government purchased goods.....		FD	4232	149.355	152.332	152.196	154.465	155.789
Trade of government purchased goods, excluding capital equipment.....		FD	42321	151.662	156.214	157.025	159.508	160.675
Trade of government purchased capital equipment.....		FD	42322	144.471	145.028	143.456	145.378	146.930
Trade of exports.....		FD	4233	151.804	154.130	154.242	156.405	157.796
Final demand transportation and warehousing services.....		FD	422	143.479	151.505	154.550	158.790	160.043
Transportation of passengers for final demand.....		FD	4221	112.895	125.298	128.091	133.007	138.237
Transportation of private passengers.....		FD	42211	112.947	125.317	128.106	133.010	138.232
Transportation of government passengers.....		FD	42212	112.948	125.179	127.948	132.797	137.983
Transportation of passengers for export.....		FD	42213	112.681	125.223	128.035	133.004	138.267
Transportation and warehousing of goods for final demand.....		FD	4222	155.180	161.192	164.311	168.204	167.723
Transportation and warehousing of finished goods <sup>2</sup> .....		FD	42221	154.307	160.544	163.583	167.496	166.992
Transportation and warehousing of personal consumption goods.....		FD	422211	154.450	160.606	163.598	167.447	166.947
Transportation and warehousing of private capital equipment.....		FD	422212	153.736	160.303	163.532	167.705	167.184
Transportation and warehousing of government purchased goods.....		FD	42222	150.967	155.900	159.128	162.472	162.393
Transportation and warehousing of exports.....		FD	42223	159.265	165.016	168.326	172.318	171.798
Final demand services less trade, transportation, and warehousing.....		FD	421	127.213	127.730	127.405	127.485	127.652
Finished services less trade, transportation, and warehousing <sup>2</sup> .....		FD	4211	127.665	128.293	127.931	127.977	128.265
Finished consumer services less trade, transportation, and warehousing.....		FD	42111	127.205	127.759	127.371	127.265	127.507
Private capital investment services less trade, transportation, and warehousing.....		FD	42112	132.068	133.345	133.221	134.599	135.285
Government purchased services less trade, transportation, and warehousing.....		FD	4212	119.625	119.670	119.786	119.767	119.438
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....		FD	42121	120.128	120.139	120.268	120.203	119.879
Government purchased capital investment services less trade, transportation, and warehousing.....		FD	42122	106.957	107.685	107.547	108.444	108.028
Services for export less trade, transportation, and warehousing.....		FD	4213	130.175	129.598	129.314	130.007	128.963
Final demand construction.....		FD	43	152.070	153.019	158.528	159.069	159.939
Construction for private capital investment.....		FD	431	154.632	155.537	161.426	162.073	163.040
Construction for government.....		FD	432	147.209	148.238	153.052	153.400	154.095
<b>Final Demand Special Groupings</b>								
Final demand less exports.....	04/10	FD	49101	132.446	134.460	134.842	135.986	137.648
Final demand less government.....	04/10	FD	49102	133.123	135.157	135.604	136.729	138.207
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>1</sup> .....	04/10	FD	49103	132.400	133.959	134.345	135.085	135.650
Final demand less foods and energy <sup>4</sup> .....	04/10	FD	49104	132.127	133.665	134.012	134.780	135.346
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>4</sup> .....	04/10	FD	49105	132.916	135.020	135.554	136.740	138.400

See footnotes at end of table.

**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**

[June 2022, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Feb. 2022	Mar. 2022 <sup>P</sup>	Apr. 2022 <sup>P</sup>	May 2022 <sup>P</sup>	June 2022 <sup>P</sup>
Final demand less foods <sup>4</sup> .....	04/10	FD	49106	132.569	134.626	135.114	136.304	137.907
Final demand less energy.....	04/10	FD	49107	132.445	134.090	134.540	135.302	135.840
Final demand less trade services.....	01/10	FD	49108	131.355	133.387	134.214	135.313	136.918
Final demand less distributive services <sup>5</sup> .....	01/10	FD	49109	130.477	132.362	133.103	134.099	135.781
Final demand goods less energy.....	01/10	FD	49111	133.921	135.735	137.339	138.157	138.670
Final demand goods less foods.....	04/10	FD	49112	133.083	136.267	137.952	140.207	144.311
Final demand services less trade services.....	04/10	FD	49113	127.662	128.845	128.823	129.274	129.537
Final demand distributive services <sup>5</sup> .....	04/10	FD	49114	142.739	145.754	145.780	147.540	148.526
Final demand goods plus final demand distributive services <sup>5</sup> .....	04/10	FD	49115	137.578	140.713	141.780	143.682	146.152
Final demand less foods, energy, and trade services <sup>4</sup> .....	08/13	FD	49116	121.698	122.866	123.396	123.937	124.300
Private and government purchased capital equipment.....	08/13	FD	49117	118.731	119.695	121.034	121.847	122.696
Private and government purchased capital investment services.....	08/13	FD	49118	127.790	129.011	128.559	130.213	130.981
Total private and government purchased capital investment.....	08/13	FD	49119	125.584	126.666	127.518	128.707	129.515
Total finished <sup>2</sup> .....	01/10	FD	49201	133.390	135.291	135.501	136.607	138.244
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>2, 4</sup> .....	12/10	FD	49202	131.639	133.098	133.246	133.955	134.619
Total finished less foods and energy <sup>2, 4</sup> .....	01/10	FD	49203	132.474	133.933	134.061	134.772	135.438
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>4</sup> .....	12/10	FD	49204	131.772	133.612	133.737	134.851	136.595
Total finished less foods <sup>2, 4</sup> .....	01/10	FD	49205	133.130	134.973	135.079	136.196	137.940
Total finished less energy <sup>2</sup> .....	01/10	FD	49206	132.796	134.340	134.578	135.301	135.916
Finished goods <sup>2</sup> .....	00/82	FD	49207	241.634	246.539	248.537	252.693	260.448
Finished goods less energy <sup>2</sup> .....	00/82	FD	49208	233.706	236.191	238.853	240.614	241.716
Finished goods, excluding foods <sup>2, 4</sup> .....	00/82	FD	49209	239.249	244.064	245.659	250.421	260.146
Finished services <sup>2</sup> .....	01/10	FD	49210	131.874	133.462	133.222	133.862	134.465
Private capital investment services.....	04/10	FD	49211	137.577	138.928	138.477	140.265	141.084
Finished distributive services <sup>2, 5</sup> .....	04/10	FD	49212	141.300	144.263	144.119	145.717	146.728
Finished services less trade services <sup>2</sup> .....	04/10	FD	49213	127.721	128.866	128.738	129.073	129.426
Finished services less distributive services <sup>2, 5</sup> .....	04/10	FD	49214	126.495	127.384	127.096	127.251	127.648
Total private capital investment (goods, services, and construction).....	04/10	FD	49215	133.244	134.387	135.240	136.563	137.451
Finished goods plus finished distributive services <sup>2</sup> .....	04/10	FD	49216	137.917	140.761	141.291	143.276	146.067
Total exports.....	04/10	FD	49301	134.970	137.795	139.582	140.846	141.469
Goods for export.....	00/82	FD	49302	230.018	235.825	240.358	241.843	243.395
Services for export.....	04/10	FD	49303	140.297	142.356	142.897	144.802	145.017
Total government purchases.....	04/10	FD	49401	129.758	132.984	135.082	136.663	138.648
Government purchased goods.....	00/82	FD	49402	224.329	233.986	240.001	244.544	251.460
Government purchased services.....	04/10	FD	49403	125.963	127.120	127.409	128.109	128.249
Total government purchased capital investment (goods, services, construction).....	08/13	FD	49404	122.344	123.424	124.614	125.338	125.919
Government purchases, defense.....	05/15	FD	49405	118.446	122.235	124.173	125.825	126.686
Government purchases, non-defense.....	05/15	FD	49406	124.006	126.767	128.802	130.238	132.620
Personal consumption.....	01/10	FD	49501	133.325	135.394	135.461	136.517	138.322
Personal consumption goods (finished consumer goods).....	00/82	FD	49502	261.141	267.607	269.363	274.776	285.377
Personal consumption goods less energy.....	00/82	FD	49503	253.099	256.203	258.914	260.883	261.684
Personal consumption goods less foods.....	00/82	FD	49504	264.810	271.747	272.743	279.647	294.601
Personal consumption nondurable goods less foods.....	00/82	FD	49508	301.083	310.313	311.017	320.341	341.167
Personal consumption services.....	04/10	FD	49505	130.490	132.107	131.898	132.366	132.934
Personal consumption less trade services.....	04/10	FD	49506	130.683	132.482	132.654	133.666	135.621
Personal consumption less distributive services <sup>5</sup> .....	04/10	FD	49507	130.034	131.701	131.787	132.711	134.744
Personal consumption less foods and energy.....	04/14	FD	49510	121.995	123.417	123.360	123.869	124.429
Personal consumption less foods, energy, and trade services <sup>3</sup> .....	04/14	FD	49511	119.357	120.323	120.347	120.656	121.036
Personal consumption less foods, energy, and distributive services <sup>5</sup> .....	04/14	FD	49512	118.866	119.655	119.574	119.760	120.174
Personal consumption goods plus personal consumption distributive services <sup>5</sup> .....	08/13	FD	49509	127.252	130.327	130.759	132.738	135.796
<b>Intermediate Demand by Commodity Type</b>								
<b>Processed goods</b>								
Processed goods for intermediate demand.....	00/82	ID6	1	257.949	263.891	269.490	275.217	281.630
Materials and components for manufacturing.....	00/82	ID6	11	240.365	242.296	245.784	250.593	250.401
Materials for manufacturing.....		ID6	111	156.707	157.886	160.716	164.801	163.945
Materials for food manufacturing.....	00/82	ID6	1111	245.468	250.518	260.437	263.989	263.797
Materials for nondurable manufacturing.....	00/82	ID6	1112	282.931	289.403	293.724	299.052	300.552
Materials for durable manufacturing.....	00/82	ID6	1113	317.245	313.260	317.549	329.394	323.661
Components for manufacturing.....	00/82	ID6	112	177.481	179.081	180.437	181.908	183.370
Components for nondurable manufacturing.....		ID6	1121	141.266	142.910	143.870	145.090	147.477
Components for durable manufacturing.....		ID6	1122	125.110	126.220	127.181	128.216	129.187
Materials and components for construction.....	00/82	ID6	12	340.014	346.488	348.324	351.100	352.038
Materials for construction.....		ID6	121	168.150	172.037	170.736	170.979	169.669
Components for construction.....		ID6	122	167.846	170.510	173.132	175.380	177.228
Processed fuels and lubricants for intermediate demand.....	00/82	ID6	13	256.168	274.865	288.596	300.812	330.665
Processed fuels and lubricants to manufacturing industries.....	00/82	ID6	131	255.458	268.226	284.309	294.168	313.703

See footnotes at end of table.



**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**

[June 2022, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Feb. 2022	Mar. 2022 <sup>P</sup>	Apr. 2022 <sup>P</sup>	May 2022 <sup>P</sup>	June 2022 <sup>P</sup>
Processed fuels and lubricants to nonmanufacturing industries.....	00/82	ID6	132	256.853	277.526	290.510	303.521	336.785
Containers for intermediate demand.....	00/82	ID6	14	293.442	293.941	299.483	304.085	306.531
Supplies for intermediate demand.....	00/82	ID6	15	240.284	243.291	246.777	249.307	250.551
Supplies to manufacturing industries.....	00/82	ID6	151	238.464	241.368	244.661	246.376	247.709
Supplies to nonmanufacturing industries.....	00/82	ID6	152	238.651	241.650	245.139	247.778	249.000
Supplies to nonmanufacturing industries, feeds.....	00/82	ID6	1521	232.684	240.577	245.394	248.231	249.122
Supplies to nonmanufacturing industries, other than feeds.....	00/82	ID6	1522	241.152	243.683	247.066	249.706	250.971
<b>Unprocessed goods</b>								
Unprocessed goods for intermediate demand.....	00/82	ID6	2	301.001	309.126	326.543	346.893	379.720
Unprocessed foodstuffs and feedstuffs.....	00/82	ID6	21	235.589	253.397	264.300	264.871	265.398
Unprocessed nonfood materials.....	00/82	ID6	22	333.675	335.312	356.377	388.821	441.413
Unprocessed nonfood materials except fuel.....	00/82	ID6	221	375.638	412.961	417.662	411.555	446.876
Unprocessed nonfood materials except fuel to manufacturing industries.....	00/82	ID6	2211	351.896	388.208	392.667	386.626	420.969
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	00/82	ID6	2212	305.583	308.099	310.784	312.424	315.251
Unprocessed fuel.....	00/82	ID6	222	253.396	209.144	249.521	328.824	399.392
Unprocessed fuel to manufacturing industries.....	00/82	ID6	2221	236.356	225.441	266.053	302.204	332.646
Unprocessed fuel to nonmanufacturing industries.....	00/82	ID6	2222	261.671	214.152	255.671	339.833	414.826
<b>Services</b>								
Services for intermediate demand.....		ID6	3	136.219	137.860	138.876	139.491	139.422
Trade services for intermediate demand <sup>5</sup> .....		ID6	33	162.001	168.417	169.493	170.207	170.627
Trade services for manufacturing industries.....	12/12	ID6	331	147.112	151.042	152.816	154.875	155.547
Trade services for nonmanufacturing industries.....	12/12	ID6	332	145.028	152.671	152.836	152.064	152.149
Transportation and warehousing services for intermediate demand.....		ID6	32	150.947	154.143	156.840	158.321	158.069
Transportation of passengers for intermediate demand.....		ID6	321	113.021	125.245	128.013	132.860	138.045
Transportation of passengers for manufacturing industries.....		ID6	3211	112.675	125.206	128.017	132.982	138.242
Transportation of passengers for nonmanufacturing industries.....		ID6	3212	113.120	125.309	128.072	132.905	138.083
Transportation and warehousing of goods for intermediate demand.....		ID6	322	155.022	157.268	159.959	161.085	160.253
Transportation and warehousing of goods for manufacturing industries.....	12/12	ID6	3221	127.039	130.613	133.639	137.260	137.119
Transportation and warehousing of goods for nonmanufacturing industries.....	12/12	ID6	3222	138.953	140.476	142.656	142.904	142.010
Services less trade, transportation, and warehousing for intermediate demand.....		ID6	31	126.634	126.680	127.388	127.826	127.653
Services less trade, transportation, and warehousing for manufacturing industries.....		ID6	311	120.269	121.303	122.232	122.349	122.330
Services less trade, transportation, and warehousing for nonmanufacturing industries.....		ID6	312	126.832	126.843	127.544	127.992	127.814
<b>Construction</b>								
Construction for intermediate demand.....		ID6	4	135.414	137.063	138.159	139.075	140.257
<b>Intermediate Demand by Commodity Type Special Groupings</b>								
Processed materials less foods and feeds.....	00/82	ID6	9111	259.770	265.798	271.215	277.219	284.193
Processed foods and feeds.....	00/82	ID6	9112	239.350	244.391	251.936	254.731	255.121
Processed energy goods.....	00/82	ID6	9113	257.357	276.140	289.935	302.209	332.183
Processed materials less energy.....	00/82	ID6	9118	254.992	257.639	261.110	265.123	265.548
Processed materials less foods and energy.....	00/82	ID6	9115	256.392	258.751	261.733	265.884	266.311
Intermediate distributive services <sup>6</sup> .....	04/10	ID6	9116	156.500	161.316	162.945	163.793	163.764
Processed goods plus intermediate distributive services.....	04/10	ID6	9117	144.645	148.297	150.970	153.487	156.053
Unprocessed materials less agricultural products.....	00/82	ID6	9211	338.585	336.285	358.579	395.189	452.539
Unprocessed energy materials <sup>7</sup> .....	00/82	ID6	9212	271.699	260.126	283.745	331.023	398.645
Unprocessed materials less energy.....	00/82	ID6	9213	299.688	324.487	335.414	329.712	327.527
Unprocessed nonfood materials less energy <sup>8</sup> .....	00/82	ID6	9216	492.420	537.040	547.113	524.094	512.566
<b>Intermediate Demand by Production Flow</b>								
<b>Stage 4 Intermediate Demand</b>								
Stage 4 intermediate demand.....		ID5	4	140.972	142.581	143.881	145.080	146.012
Inputs to stage 4 goods producers.....		ID5	41	140.921	142.852	144.554	146.370	147.171
Goods.....		ID5	411	135.922	137.579	139.647	141.623	142.214
Foods.....		ID5	4111	147.144	154.794	159.124	161.482	161.630
Energy.....		ID5	4112	159.058	165.347	183.810	188.175	212.846
Goods excluding foods and energy.....		ID5	4113	134.076	134.792	136.379	138.277	138.735
Services.....		ID5	412	157.576	160.309	161.026	162.433	163.833
Trade services.....		ID5	4123	168.310	171.353	171.938	173.560	175.335
Transportation and warehousing services.....		ID5	4122	130.408	134.914	137.822	140.753	141.896
Transportation of passengers.....		ID5	41221	112.680	125.222	128.034	133.004	138.266
Transportation and warehousing of goods.....		ID5	41222	142.514	145.746	148.866	151.591	152.012
Services less trade, transportation, and warehousing.....		ID5	4121	122.034	123.006	123.555	123.664	123.683
Inputs to stage 4 services producers.....		ID5	42	136.140	136.824	137.899	138.555	139.321

See footnotes at end of table.

**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**

[June 2022, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Feb. 2022	Mar. 2022 <sup>P</sup>	Apr. 2022 <sup>P</sup>	May 2022 <sup>P</sup>	June 2022 <sup>P</sup>
Goods.....		ID5	421	139.550	141.643	143.498	144.878	148.632
Foods.....		ID5	4211	148.949	150.804	153.121	152.673	153.562
Energy.....		ID5	4212	133.262	136.704	139.499	142.517	153.152
Goods excluding foods and energy.....		ID5	4213	139.610	141.053	142.272	143.311	144.261
Services.....		ID5	422	134.772	134.946	135.738	136.132	135.821
Trade services.....		ID5	4223	148.706	152.485	153.069	155.122	156.164
Transportation and warehousing services.....		ID5	4222	140.118	143.000	145.941	146.528	147.740
Transportation of passengers.....		ID5	42221	112.397	124.795	127.584	132.497	137.717
Transportation and warehousing of goods.....		ID5	42222	145.619	146.760	149.737	149.530	150.016
Services less trade, transportation, and warehousing.....		ID5	4221	131.833	131.254	131.855	132.007	131.367
Construction.....		ID5	423	135.414	137.063	138.159	139.075	140.257
Inputs to stage 4 construction producers.....		ID5	43	158.622	163.139	164.339	166.200	168.104
Goods.....		ID5	431	162.807	166.905	168.075	170.322	173.295
Energy.....		ID5	4312	175.492	190.783	195.358	208.911	240.644
Goods excluding foods and energy.....		ID5	4313	165.358	168.460	169.325	170.522	170.777
Services.....		ID5	432	147.907	153.395	154.664	155.597	154.946
Trade services.....		ID5	4323	167.966	177.520	178.992	179.510	177.647
Transportation and warehousing services.....		ID5	4322	149.301	155.561	158.558	162.089	161.975
Transportation of passengers.....		ID5	43221	117.506	130.548	133.476	138.644	144.122
Transportation and warehousing of goods.....		ID5	43222	150.905	157.015	160.028	163.533	163.271
Services less trade, transportation, and warehousing.....		ID5	4321	123.964	124.862	125.299	125.748	126.182
<b>Stage 3 Intermediate Demand</b>								
Stage 3 intermediate demand.....		ID5	3	145.646	150.118	153.930	156.338	157.721
Inputs to stage 3 goods producers.....		ID5	31	161.782	166.712	171.896	175.323	175.879
Goods.....		ID5	311	160.663	165.328	170.795	174.268	175.091
Foods.....		ID5	3111	175.078	188.815	199.833	200.294	200.921
Energy.....		ID5	3112	155.164	165.847	188.633	203.087	221.670
Goods excluding foods and energy.....		ID5	3113	159.100	159.752	161.964	166.071	165.910
Services.....		ID5	312	154.656	160.328	163.961	166.948	166.354
Trade services.....		ID5	3123	159.056	165.871	170.020	172.809	171.778
Transportation and warehousing services.....		ID5	3122	147.333	152.606	156.271	160.864	160.792
Transportation of passengers.....		ID5	31221	119.986	133.331	136.324	141.611	147.213
Transportation and warehousing of goods.....		ID5	31222	148.676	153.472	157.170	161.714	161.317
Services less trade, transportation, and warehousing.....		ID5	3121	123.958	125.369	126.527	126.953	127.067
Inputs to stage 3 services producers.....		ID5	32	132.160	136.156	138.989	140.673	142.828
Goods.....		ID5	321	129.018	142.641	150.670	156.369	166.287
Foods.....		ID5	3211	150.110	152.166	154.163	153.645	154.461
Energy.....		ID5	3212	134.601	155.679	168.190	176.830	192.569
Goods excluding foods and energy.....		ID5	3213	129.605	131.940	133.152	134.455	135.480
Services.....		ID5	322	132.785	133.801	135.035	135.470	135.200
Trade services.....		ID5	3223	171.077	179.967	182.236	186.035	186.272
Transportation and warehousing services.....		ID5	3222	161.243	162.362	164.407	163.730	162.027
Transportation of passengers.....		ID5	32221	101.276	101.666	102.566	102.819	104.673
Transportation and warehousing of goods.....		ID5	32222	161.751	162.875	164.928	164.246	162.526
Services less trade, transportation, and warehousing.....		ID5	3221	123.396	123.820	124.775	125.260	125.329
Construction.....		ID5	323	135.414	137.063	138.159	139.075	140.257
Inputs to stage 3 construction producers.....		ID5	33	148.314	156.268	154.216	152.105	150.212
Goods.....		ID5	331	138.359	141.780	141.168	141.414	140.316
Goods excluding foods and energy.....		ID5	3313	176.302	180.662	179.882	180.195	178.796
Services.....		ID5	332	177.894	190.920	187.323	182.859	180.016
Trade services.....		ID5	3323	184.478	198.560	194.465	189.441	186.304
Transportation and warehousing services.....		ID5	3322	105.142	105.710	109.710	114.039	114.305
Transportation and warehousing of goods.....		ID5	33222	110.982	111.581	115.803	120.372	120.653
Services less trade, transportation, and warehousing.....		ID5	3321	114.786	116.115	117.346	118.096	118.916
<b>Stage 2 Intermediate Demand</b>								
Stage 2 intermediate demand.....		ID5	2	138.262	139.248	143.070	148.569	156.658
Inputs to stage 2 goods producers.....		ID5	21	138.628	139.163	145.131	154.658	168.452
Goods.....		ID5	211	142.786	142.805	149.997	162.006	179.426
Foods.....		ID5	2111	164.043	171.902	175.312	176.551	179.858
Energy.....		ID5	2112	121.835	117.653	127.665	147.764	177.054
Goods excluding foods and energy.....		ID5	2113	150.509	155.758	158.128	157.578	156.061
Services.....		ID5	212	135.998	138.553	140.525	141.647	142.419
Trade services.....		ID5	2123	154.131	159.110	161.094	161.121	162.175
Transportation and warehousing services.....		ID5	2122	155.565	156.941	160.326	163.864	164.159
Transportation of passengers.....		ID5	21221	114.147	126.000	128.722	133.426	138.532
Transportation and warehousing of goods.....		ID5	21222	158.059	158.742	162.165	165.622	165.533
Services less trade, transportation, and warehousing.....		ID5	2121	118.514	119.156	120.263	121.055	121.907
Construction.....		ID5	213	135.414	137.063	138.159	139.075	140.257

See footnotes at end of table.

**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**

[June 2022, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Feb. 2022	Mar. 2022 <sup>P</sup>	Apr. 2022 <sup>P</sup>	May 2022 <sup>P</sup>	June 2022 <sup>P</sup>
Inputs to stage 2 services producers.....		ID5	22	132.977	134.505	135.451	135.607	136.175
Goods.....		ID5	221	140.784	142.789	144.917	147.544	150.053
Foods.....		ID5	2211	129.198	132.959	134.754	135.251	134.593
Energy.....		ID5	2212	174.141	177.434	188.513	207.800	237.912
Goods excluding foods and energy.....		ID5	2213	139.117	141.035	142.615	144.230	145.059
Services.....		ID5	222	131.445	132.896	133.661	133.427	133.686
Trade services.....		ID5	2223	164.587	182.097	184.446	170.786	173.648
Transportation and warehousing services.....		ID5	2222	167.263	169.282	170.513	167.726	164.033
Transportation of passengers.....		ID5	22221	113.221	125.681	128.486	133.424	138.675
Transportation and warehousing of goods.....		ID5	22222	178.145	178.132	179.058	174.760	169.402
Services less trade, transportation, and warehousing.....		ID5	2221	128.160	128.618	129.261	130.022	130.438
Construction.....		ID5	223	135.414	137.063	138.159	139.075	140.257
<b>Stage 1 Intermediate Demand</b>								
Stage 1 intermediate demand.....		ID5	1	141.140	144.937	147.430	149.419	151.468
Inputs to stage 1 goods producers.....		ID5	11	148.333	152.152	155.672	159.230	160.907
Goods.....		ID5	111	150.757	154.589	158.500	162.560	165.053
Foods.....		ID5	1111	160.854	174.657	178.941	179.657	181.273
Energy.....		ID5	1112	134.101	134.617	144.842	155.004	173.021
Goods excluding foods and energy.....		ID5	1113	156.879	159.902	162.355	165.642	164.729
Services.....		ID5	112	145.578	149.460	152.009	154.297	153.820
Trade services.....		ID5	1123	159.688	165.632	169.345	171.812	171.089
Transportation and warehousing services.....		ID5	1122	136.996	139.740	146.589	156.459	157.026
Transportation of passengers.....		ID5	11221	112.659	125.198	128.010	132.978	138.240
Transportation and warehousing of goods.....		ID5	11222	141.601	141.814	149.613	160.618	160.297
Services less trade, transportation, and warehousing.....		ID5	1121	105.480	106.053	106.023	106.717	106.468
Construction.....		ID5	113	135.414	137.063	138.159	139.075	140.257
Inputs to stage 1 services producers.....		ID5	12	135.050	138.123	140.217	141.654	143.908
Goods.....		ID5	121	139.463	145.567	150.202	152.937	160.098
Foods.....		ID5	1211	110.475	112.619	204.749	221.670	201.625
Energy.....		ID5	1212	158.633	174.859	184.492	189.892	210.410
Goods excluding foods and energy.....		ID5	1213	138.028	139.568	141.533	143.043	144.260
Services.....		ID5	122	132.562	134.110	134.926	135.710	135.512
Trade services.....		ID5	1223	156.716	163.709	164.673	166.681	167.744
Transportation and warehousing services.....		ID5	1222	130.005	135.907	138.232	141.130	142.720
Transportation of passengers.....		ID5	12221	112.593	125.124	127.934	132.899	138.157
Transportation and warehousing of goods.....		ID5	12222	153.548	156.295	158.589	160.613	160.300
Services less trade, transportation, and warehousing.....		ID5	1221	129.040	129.360	129.954	130.308	129.731
Construction.....		ID5	123	135.414	137.063	138.159	139.075	140.257
Inputs to stage 1 construction producers.....		ID5	13	160.245	167.578	169.239	169.562	171.881
Goods.....		ID5	131	156.093	161.419	165.010	166.702	171.313
Energy.....		ID5	1312	151.153	179.168	195.813	201.425	227.456
Goods excluding foods and energy.....		ID5	1313	159.215	161.669	163.616	164.824	166.742
Services.....		ID5	132	168.471	179.767	177.619	175.241	173.102
Trade services.....		ID5	1323	177.252	189.825	186.642	182.971	180.434
Transportation and warehousing services.....		ID5	1322	125.475	131.341	133.902	137.431	136.883
Transportation and warehousing of goods.....		ID5	13222	129.787	135.856	138.504	142.155	141.588
Services less trade, transportation, and warehousing.....		ID5	1321	125.136	125.657	126.282	127.043	129.244
<b>Intermediate Demand by Production Flow Special Groupings</b>								
Total goods inputs to stage 4 intermediate demand.....	04/10	ID5	9411	139.401	141.616	143.411	145.224	147.183
Total services inputs to stage 4 intermediate demand.....	04/10	ID5	9412	138.884	139.885	140.698	141.298	141.243
Total construction inputs to stage 4 intermediate demand.....	04/10	ID5	9413	134.292	135.928	137.014	137.923	139.095
Total foods inputs to stage 4 intermediate demand.....	04/10	ID5	9414	144.618	149.699	153.099	154.243	154.694
Total energy goods inputs to stage 4 intermediate demand.....	04/10	ID5	9415	129.266	134.251	137.577	141.933	155.230
Total goods less foods and energy inputs to stage 4 intermediate demand.....	04/10	ID5	9416	141.269	142.673	144.006	145.549	146.061
Total goods inputs to stage 3 intermediate demand.....	04/10	ID5	9311	144.840	151.474	157.257	161.083	164.095
Total services inputs to stage 3 intermediate demand.....	04/10	ID5	9312	135.882	137.892	139.474	140.292	139.929
Total construction inputs to stage 3 intermediate demand.....	04/10	ID5	9313	134.292	135.928	137.014	137.923	139.095
Total foods inputs to stage 3 intermediate demand.....	04/10	ID5	9314	155.638	167.777	177.515	177.918	178.477
Total energy goods inputs to stage 3 intermediate demand.....	04/10	ID5	9315	135.195	154.138	168.073	177.487	193.367
Total goods less foods and energy inputs to stage 3 intermediate demand.....	04/10	ID5	9316	148.236	149.169	151.090	154.546	154.548
Total goods inputs to stage 2 intermediate demand.....	04/10	ID5	9211	135.725	135.934	142.292	152.818	167.969
Total services inputs to stage 2 intermediate demand.....	04/10	ID5	9212	132.949	134.655	135.696	135.767	136.137
Total construction inputs to stage 2 intermediate demand.....	04/10	ID5	9213	134.292	135.928	137.014	137.923	139.095
Total foods inputs to stage 2 intermediate demand.....	04/10	ID5	9214	164.565	172.419	175.829	177.067	180.344
Total energy goods inputs to stage 2 intermediate demand.....	04/10	ID5	9215	119.873	115.864	125.678	145.344	174.027
Total goods less foods and energy inputs to stage 2 intermediate demand.....	04/10	ID5	9216	139.460	143.692	145.756	145.703	144.779
Total goods inputs to stage 1 intermediate demand.....	04/10	ID5	9111	131.374	135.694	139.351	142.220	146.176

See footnotes at end of table.

**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**

[June 2022, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Feb. 2022	Mar. 2022 <sup>p</sup>	Apr. 2022 <sup>p</sup>	May 2022 <sup>p</sup>	June 2022 <sup>p</sup>
Total services inputs to stage 1 intermediate demand.....	04/10	ID5	9112	136.791	139.544	140.432	141.228	140.822
Total construction inputs to stage 1 intermediate demand.....	04/10	ID5	9117	134.292	135.928	137.014	137.923	139.095
Total foods inputs to stage 1 intermediate demand.....	04/10	ID5	9114	150.339	163.082	169.002	170.025	171.113
Total energy goods inputs to stage 1 intermediate demand.....	04/10	ID5	9115	143.047	153.950	163.999	170.924	190.200
Total goods less foods and energy inputs to stage 1 intermediate demand.....	04/10	ID5	9116	125.447	127.457	129.277	131.179	131.467

<sup>1</sup> All indexes are subject to revision for 4 months after their originally scheduled publication to incorporate late reports and corrections by survey respondents. In addition, seasonally adjusted indexes are subject to change for up to 5 years due to the recalculation of seasonal factors published each January.

<sup>2</sup> PPI defines Total finished as including only the personal consumption and private capital investment portions of final demand.

<sup>3</sup> Trade indexes measure changes in margins received by wholesalers and retailers.

<sup>4</sup> The PPI definition of foods does not include food and beverages for immediate consumption. PPI defines food and beverages for immediate consumption as the service of preparing meals, snacks, and beverages to customer order for immediate on-premises and off-premises consumption.

<sup>5</sup> Distributive services include transportation, warehousing, and trade of goods.

<sup>6</sup> Includes intermediate trade, transportation, and warehousing services.

<sup>7</sup> Includes crude petroleum.

<sup>8</sup> Excludes crude petroleum.

p Preliminary

“-” Data not available.