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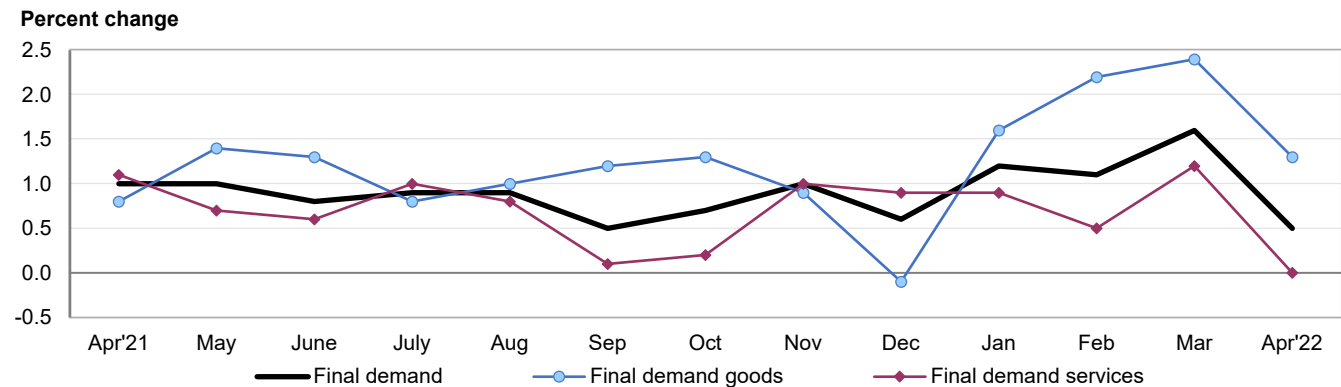
## PRODUCER PRICE INDEXES – APRIL 2022

The Producer Price Index for final demand increased 0.5 percent in April, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. This rise followed advances of 1.6 percent in March and 1.1 percent in February. (See table A.) On an unadjusted basis, final demand prices moved up 11.0 percent for the 12 months ended in April.

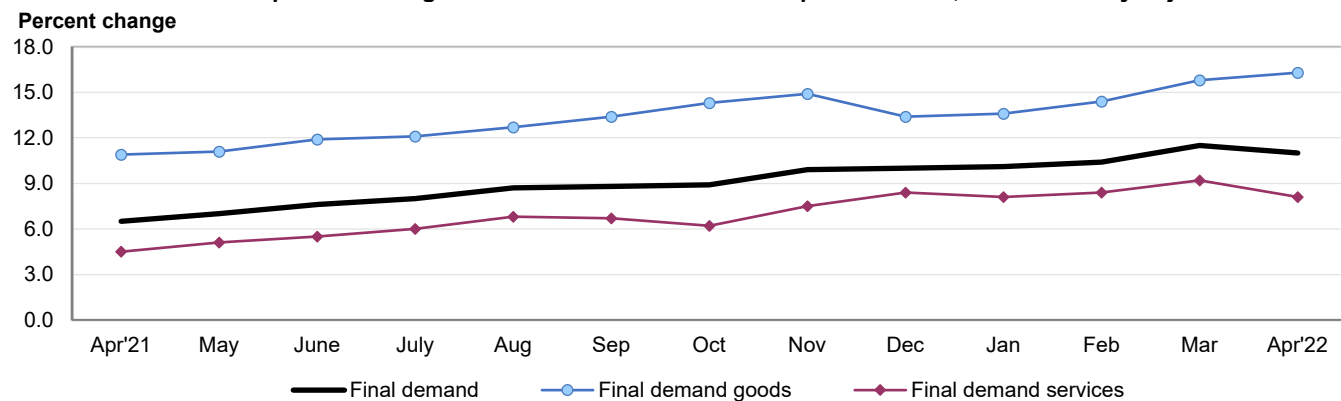
In April, the rise in the index for final demand is primarily attributable to a 1.3-percent advance in prices for final demand goods. The index for final demand construction increased 4.0 percent, while prices for final demand services were unchanged.

Prices for final demand less foods, energy, and trade services moved up 0.6 percent in April after increasing 0.9 percent in March. For the 12 months ended in April, the index for final demand less foods, energy, and trade services rose 6.9 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 1.3 percent in April, the fourth consecutive rise. More than half of the broad-based increase in April can be traced to a 1.0-percent advance in prices for final demand goods less foods and energy. The indexes for final demand energy and for final demand foods also moved higher, 1.7 percent and 1.5 percent, respectively.

*Product detail:* Among prices for final demand goods in April, the index for motor vehicles and equipment advanced 0.8 percent. Prices for diesel fuel, chicken eggs, jet fuel, electric power, and residential natural gas also increased. Conversely, the index for gasoline fell 3.2 percent. Prices for fresh and dry vegetables and for carbon steel scrap also decreased. (See table 2.)

**Final demand services:** The index for final demand services was unchanged in April after increasing 1.2 percent in March. In April, prices for final demand transportation and warehousing services rose 3.6 percent. In contrast, the indexes for final demand trade services and for final demand services less trade, transportation, and warehousing declined 0.5 percent and 0.1 percent, respectively. (Trade indexes measure changes in margins received by wholesalers and retailers.)

*Product detail:* Within the index for final demand services in April, prices for truck transportation of freight rose 4.4 percent. The indexes for automotive fuels and lubricants retailing, transportation of passengers (partial), hospital outpatient care, and loan services (partial) also increased. Conversely, margins for health, beauty, and optical goods retailing declined 1.3 percent. The indexes for portfolio management, guestroom rental, hospital inpatient care, and furniture retailing 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>												
Apr.....	1.0	0.8	0.8	1.4	-0.3	1.0	1.1	2.1	3.1	0.3	6.5	4.8
May. ..	1.0	0.5	1.4	2.5	1.5	1.1	0.7	1.8	0.2	0.2	7.0	5.3
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. <sup>1</sup> ..	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. <sup>1</sup> ..	1.2	0.8	1.6	1.7	4.1	0.8	0.9	1.2	0.1	0.8	10.1	6.9
Feb. <sup>1</sup> ..	1.1	0.2	2.2	2.0	7.2	0.8	0.5	1.7	2.0	-0.3	10.4	6.7
Mar. <sup>1</sup> ..	1.6	0.9	2.4	2.5	6.4	1.1	1.2	1.9	5.7	0.3	11.5	7.1
Apr.....	0.5	0.6	1.3	1.5	1.7	1.0	0.0	-0.5	3.6	-0.1	11.0	6.9

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for December 2021 through March 2022 have been revised to reflect the availability of late reports and corrections by respondents.

## Intermediate Demand by Commodity Type

Within intermediate demand in April, prices for processed goods increased 2.2 percent, the index for unprocessed goods advanced 5.3 percent, and prices for services moved up 0.7 percent. (See tables B and C.)

**Processed goods for intermediate demand:** The index for processed goods for intermediate demand climbed 2.2 percent in April, the fourth consecutive rise. In April, a 1.4-percent advance in prices for processed goods less foods and energy led the broad-based increase. The indexes for processed energy goods and for processed foods and feeds also moved higher, 4.5 percent and 2.9 percent, respectively. For the 12 months ended in April, prices for processed goods for intermediate demand jumped 21.9 percent.

*Product detail:* Within the index for processed goods for intermediate demand in April, prices for industrial chemicals advanced 1.8 percent. The indexes for diesel fuel, utility natural gas, jet fuel, plastic resins and materials, and cold rolled steel sheet and strip also increased. In contrast, prices for softwood lumber fell 15.6 percent. The indexes for gasoline and for beef and veal also declined.

**Unprocessed goods for intermediate demand:** The index for unprocessed goods for intermediate demand rose 5.3 percent in April, the fourth consecutive advance. In April, over 80 percent of the broad-based increase can be traced to prices for unprocessed energy goods, which climbed 10.3 percent. The indexes for unprocessed foodstuffs and feedstuffs and for unprocessed nonfood materials less energy also moved higher, 2.5 percent and 0.5 percent, respectively. For the 12 months ended in April, prices for unprocessed goods for intermediate demand jumped 48.1 percent, the largest advance since rising 49.6 percent for the 12 months ended November 2021.

*Product detail:* Half of the April increase in the index for unprocessed goods for intermediate demand is attributable to a 16.9-percent jump in natural gas prices. The indexes for crude petroleum, ungraded chicken eggs, coal, grains, and raw cotton also advanced. Conversely, raw milk prices decreased 6.3 percent. The indexes for carbon steel scrap and for hay and hayseeds also moved lower.

**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>										
Apr.....	2.1	2.4	-1.8	3.0	18.7	0.8	5.6	-4.9	1.9	59.2
May.....	2.8	2.6	3.3	2.7	22.3	7.9	6.8	8.3	8.8	57.8
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. <sup>1</sup> .....	-0.1	0.1	-2.7	0.6	24.4	-4.8	3.8	-12.1	-1.8	40.0
<b>2022</b>										
Jan. <sup>1</sup> .....	2.2	2.6	4.7	1.5	24.7	2.9	2.7	4.2	0.6	36.1
Feb. <sup>1</sup> .....	1.5	2.1	5.8	0.3	23.3	10.0	5.6	18.4	1.4	33.4
Mar. <sup>1</sup> .....	2.2	2.2	7.2	0.7	21.9	1.8	7.6	-6.5	9.8	41.8
Apr.....	2.2	2.9	4.5	1.4	21.9	5.3	2.5	10.3	0.5	48.1

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for December 2021 through March 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 moved up 0.7 percent in April, the sixth consecutive increase. Over half of the April advance can be attributed to a 0.6-percent rise in prices for services less trade, transportation, and warehousing for intermediate demand. The index for transportation and warehousing services for intermediate demand increased 2.5 percent. In contrast, prices for trade services for intermediate demand decreased 0.1 percent. For the 12 months ended in April, the index for services for intermediate demand advanced 7.5 percent.

*Product detail:* One-third of the April rise in the index for services for intermediate demand can be traced to a 4.3-percent advance in prices for nonresidential real estate rents. The indexes for truck transportation of freight, freight forwarding, loan services (partial), services related to securities brokerage and dealing (partial), and paper and plastics products wholesaling also moved higher. Conversely, margins for machinery and equipment parts and supplies wholesaling fell 0.4 percent. The indexes for securities brokerage, dealing, and investment advice and for arrangement of freight and cargo transportation 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>					
Apr.....	1.3	2.5	2.2	0.6	7.3
May.....	0.6	2.2	0.8	0.1	8.4
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. <sup>1</sup> .....	0.8	1.5	1.6	0.5	8.3
<b>2022</b>					
Jan. <sup>1</sup> .....	0.7	1.4	0.5	0.6	7.8
Feb. <sup>1</sup> .....	0.2	1.3	0.5	-0.2	7.7
Mar. <sup>1</sup> .....	1.1	3.4	2.1	0.0	8.1
Apr.....	0.7	-0.1	2.5	0.6	7.5

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for December 2021 through March 2022 have been revised to reflect the availability of late reports and corrections by respondents.

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

**Stage 4 intermediate demand:** Prices for stage 4 intermediate demand advanced 0.9 percent in April following a 1.0-percent rise in March. In April, the index for total goods inputs to stage 4 intermediate demand increased 1.3 percent, and prices for total services inputs moved up 0.5 percent. (See table D.) Advances in the indexes for diesel fuel; nonresidential real estate rents; transportation of freight and mail; structural, architectural, and pre-engineered metal products; services related to securities brokerage and dealing (partial); and metal containers outweighed decreases in prices for portfolio management; softwood lumber; and securities brokerage, dealing, and investment advice. For the 12 months ended in April, the index for stage 4 intermediate demand jumped 11.7 percent.

**Stage 3 intermediate demand:** The index for stage 3 intermediate demand rose 2.2 percent in April, following a 2.9-percent advance in March. In April, prices for total goods inputs to stage 3 intermediate demand moved up 3.4 percent, and the index for total services inputs increased 0.9 percent. Advances in prices for diesel fuel, ungraded chicken eggs, jet fuel, slaughter poultry, plastic resins and materials, and freight forwarding outweighed decreases in the indexes for raw milk, softwood lumber, and arrangement of freight and cargo transportation. For the 12 months ended in April, prices for stage 3 intermediate demand jumped 19.1 percent.

**Stage 2 intermediate demand:** The index for stage 2 intermediate demand moved up 2.8 percent in April, the fourth consecutive increase. In April, prices for total goods inputs to stage 2 intermediate demand climbed 4.9 percent, and the index for total services inputs rose 0.6 percent. Advances in prices for natural gas, crude petroleum, coal, loan services (partial), freight forwarding, and industrial chemicals outweighed decreases in the indexes for carbon steel scrap, softwood lumber, and arrangement of freight and cargo transportation. For the 12 months ended in April, prices for stage 2 intermediate demand jumped 23.5 percent.

**Stage 1 intermediate demand:** The index for stage 1 intermediate demand increased 1.6 percent in April after advancing 2.5 percent in March. In April, prices for total good inputs to stage 1 intermediate demand moved up 2.5 percent, and the index for total services inputs rose 0.6 percent. Advances in the indexes for diesel fuel, nonresidential real estate rents, utility natural gas, industrial chemicals, grains, and truck transportation of freight outweighed decreasing prices for guestroom rental; securities brokerage, dealing, and investment advice; and carbon steel scrap. For the 12 months ended in April, the index for stage 1 intermediate demand jumped 16.8 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>												
Apr.....	1.4	1.7	1.2	2.7	4.3	1.3	0.4	-0.5	1.2	1.7	1.9	1.6
May.....	1.2	2.2	0.5	2.4	3.8	0.9	3.0	6.3	0.3	2.6	3.9	1.3
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. <sup>1</sup> .....	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. <sup>1</sup> .....	1.5	2.0	1.0	1.6	2.6	0.6	1.3	2.6	0.1	1.4	1.7	0.9
Feb. <sup>1</sup> .....	0.6	1.2	0.0	1.4	2.6	0.1	4.3	8.5	0.3	1.0	1.6	0.2
Mar. <sup>1</sup> .....	1.0	1.5	0.5	2.9	4.4	1.2	0.2	-0.8	1.3	2.5	3.2	1.8
Apr.....	0.9	1.3	0.5	2.2	3.4	0.9	2.8	4.9	0.6	1.6	2.5	0.6

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for December 2021 through March 2022 have been revised to reflect the availability of late reports and corrections by respondents.

**The Producer Price Index for May 2022 is scheduled to be released on Tuesday, June 14, 2022, at 8:30 a.m. (ET).**

# 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**  
[April 2022]

Grouping	Commodity code		Relative Importance Dec. 2021 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Apr. 2021 to Apr. 2022 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Nov. to Dec.	Dec. to Jan. <sup>P</sup>	Jan. to Feb. <sup>P</sup>	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>
<b>Final Demand</b>									
Final demand.....	FD	4	100.000	11.0	0.6	1.2	1.1	1.6	0.5
Final demand goods.....	FD	41	33.284	16.3	-0.1	1.6	2.2	2.4	1.3
Final demand foods.....	FD	411	5.743	16.3	-0.2	1.7	2.0	2.5	1.5
Finished consumer foods <sup>3</sup> .....	FD	4111	4.430	15.8	-0.2	1.6	1.7	2.2	1.4
Finished consumer foods, crude.....	FD	41113	0.461	49.5	-3.9	-5.2	1.8	13.5	2.0
Finished consumer foods, processed.....	FD	41112	3.969	12.8	0.2	2.3	1.7	1.0	1.4
Government purchased foods.....	FD	4112	0.406	13.9	0.0	2.6	2.2	0.7	1.4
Foods for export.....	FD	4113	0.907	20.2	-0.1	2.1	3.3	4.8	1.8
Final demand energy.....	FD	412	5.998	40.0	-1.4	4.1	7.2	6.4	1.7
Finished consumer energy goods <sup>3</sup> .....	FD	4121	4.795	34.4	-0.9	3.3	6.8	4.9	0.0
Government purchased energy.....	FD	4122	0.838	59.2	-3.1	6.8	7.9	12.7	6.9
Energy for export.....	FD	4123	0.365	72.7	-4.1	8.7	10.4	11.5	10.9
Final demand goods less foods and energy.....	FD	413	21.543	10.1	0.4	0.8	0.8	1.1	1.0
Finished goods less foods and energy <sup>3</sup> .....	FD	4131	12.154	8.6	0.6	0.9	1.0	0.7	1.0
Finished consumer goods less foods and energy.....	FD	41311	6.483	8.0	0.6	0.7	0.9	0.7	0.8
Nondurable consumer goods less foods and energy.....	FD	413111	4.078	7.5	0.7	0.6	1.0	0.5	0.7
Durable consumer goods.....	FD	413112	2.405	8.9	0.4	0.9	0.8	0.9	0.9
Private capital equipment.....	FD	41312	5.671	9.3	0.5	1.1	1.0	0.8	1.2
Private capital equipment for manufacturing industries.....	FD	413121	1.263	12.5	0.7	1.4	1.4	1.2	1.7
Private capital equipment for nonmanufacturing industries.....	FD	413122	4.408	8.5	0.5	1.0	0.9	0.7	1.0
Government purchased goods, excluding foods and energy.....	FD	4132	2.280	10.4	0.6	1.1	0.8	1.2	0.9
Government purchased goods excluding foods, energy, and capital equipment.....	FD	41321	1.357	14.2	0.6	1.5	1.1	1.2	1.3
Government purchased capital equipment.....	FD	41322	0.923	5.1	0.5	0.6	0.2	1.2	0.2
Goods for export, excluding foods and energy.....	FD	4133	7.109	12.5	0.0	0.6	0.5	1.7	1.2
Final demand services.....	FD	42	64.964	8.1	0.9	0.9	0.5	1.2	0.0
Final demand trade services <sup>4</sup> .....	FD	423	20.219	15.4	1.9	1.2	1.7	1.9	-0.5
Trade of finished goods <sup>3</sup> .....	FD	4231	17.344	15.3	1.9	1.2	1.6	1.9	-0.5
Trade of personal consumption goods.....	FD	42311	14.139	13.7	1.7	1.0	1.3	2.1	-0.6
Trade of private capital equipment.....	FD	42312	3.205	22.4	2.7	2.3	2.9	1.4	-0.3
Trade of government purchased goods.....	FD	4232	0.758	17.7	1.6	1.6	2.2	2.2	-0.1
Trade of government purchased goods, excluding capital equipment.....	FD	42321	0.476	14.0	0.9	1.3	1.3	2.7	-0.2
Trade of government purchased capital equipment.....	FD	42322	0.282	24.1	2.9	2.2	3.8	1.5	-0.1
Trade of exports.....	FD	4233	2.117	15.4	2.0	1.0	1.8	1.6	-0.2
Final demand transportation and warehousing services.....	FD	422	4.383	22.6	1.6	0.1	2.0	5.7	3.6
Transportation of passengers for final demand.....	FD	4221	1.096	21.4	4.3	-5.3	3.4	11.0	2.8
Transportation of private passengers.....	FD	42211	0.740	21.3	4.3	-5.2	3.4	11.0	2.8
Transportation of government passengers.....	FD	42212	0.089	21.1	4.2	-5.2	3.4	10.8	2.8
Transportation of passengers for export.....	FD	42213	0.267	21.6	4.3	-5.3	3.5	11.2	2.9
Transportation and warehousing of goods for final demand.....	FD	4222	3.287	23.0	0.7	1.9	1.5	4.0	3.9
Transportation and warehousing of finished goods <sup>3</sup> .....	FD	42221	2.162	23.7	0.8	1.9	1.6	4.1	4.0
Transportation and warehousing of personal consumption goods.....	FD	422211	1.735	23.3	0.7	1.8	1.5	4.1	3.9
Transportation and warehousing of private capital equipment.....	FD	422212	0.427	24.9	0.8	1.9	1.7	4.4	4.2
Transportation and warehousing of government purchased goods.....	FD	42222	0.198	20.7	0.9	1.8	0.9	3.3	3.7
Transportation and warehousing of exports.....	FD	42223	0.927	22.0	0.7	2.0	1.6	3.7	3.7
Final demand services less trade, transportation, and warehousing.....	FD	421	40.362	3.2	0.3	0.8	-0.3	0.3	-0.1
Finished services less trade, transportation, and warehousing <sup>3</sup> .....	FD	4211	35.383	3.4	0.3	0.8	-0.3	0.4	-0.1
Finished consumer services less trade, transportation, and warehousing.....	FD	42111	31.725	2.9	0.3	0.6	-0.3	0.4	-0.2
Private capital investment services less trade, transportation, and warehousing.....	FD	42112	3.658	8.1	0.7	2.1	0.0	0.9	0.6
Government purchased services less trade, transportation, and warehousing.....	FD	4212	2.491	2.8	0.3	0.7	-0.2	0.0	0.2
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....	FD	42121	2.385	2.9	0.3	0.8	-0.2	0.0	0.2
Government purchased capital investment services less trade, transportation, and warehousing.....	FD	42122	0.106	1.9	0.2	0.1	-1.1	1.0	0.1
Services for export less trade, transportation, and warehousing.....	FD	4213	2.488	1.6	0.1	0.8	-0.7	-0.4	-0.2
Final demand construction.....	FD	43	1.749	19.6	0.2	3.6	0.5	0.6	4.0
Construction for private capital investment.....	FD	431	1.139	21.3	0.3	3.9	0.6	0.5	4.1
Construction for government.....	FD	432	0.610	16.7	-0.1	2.9	0.4	0.7	3.7
<b>Special Groupings of Final Demand</b>									
Final demand less exports.....	FD	49101	85.820	10.6	0.6	1.2	1.1	1.5	0.4
Final demand less government.....	FD	49102	92.330	10.7	0.6	1.1	1.0	1.5	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**  
 [April 2022]

Grouping	Commodity code		Relative Importance Dec. 2021 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Apr. 2021 to Apr. 2022 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Nov. to Dec.	Dec. to Jan. <sup>P</sup>	Jan. to Feb. <sup>P</sup>	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>5</sup> .....	FD	49103	87.753	8.9	0.8	0.9	0.6	1.2	0.4
Final demand less foods and energy <sup>5</sup> .....	FD	49104	88.259	8.8	0.8	0.9	0.5	1.2	0.4
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>5</sup> .....	FD	49105	93.751	10.9	0.6	1.1	1.1	1.6	0.5
Final demand less foods <sup>5</sup> .....	FD	49106	94.257	10.7	0.6	1.1	1.0	1.5	0.5
Final demand less energy.....	FD	49107	94.002	9.3	0.7	1.0	0.6	1.2	0.4
Final demand less trade services.....	FD	49108	79.781	10.0	0.2	1.1	0.9	1.5	0.8
Final demand less distributive services <sup>6</sup> .....	FD	49109	76.494	9.4	0.2	1.1	0.9	1.4	0.6
Final demand goods less energy.....	FD	49111	27.286	11.3	0.3	1.0	1.0	1.4	1.1
Final demand goods less foods.....	FD	49112	27.541	16.3	0.0	1.6	2.3	2.4	1.2
Final demand services less trade services.....	FD	49113	44.745	5.1	0.4	0.7	-0.1	0.9	0.3
Final demand distributive services <sup>6</sup> .....	FD	49114	23.506	16.4	1.7	1.3	1.7	2.2	0.1
Final demand goods plus final demand distributive services <sup>6</sup> .....	FD	49115	56.790	16.4	0.7	1.5	2.0	2.3	0.8
Final demand less foods, energy, and trade services <sup>5</sup> .....	FD	49116	68.040	6.9	0.4	0.8	0.2	0.9	0.6
Private and government purchased capital equipment.....	FD	49117	6.594	8.8	0.5	1.0	0.9	0.8	1.1
Private and government purchased capital investment services.....	FD	49118	7.678	15.2	1.6	2.2	1.5	1.3	0.4
Total private and government purchased capital investment.....	FD	49119	14.272	13.0	1.0	1.9	1.1	1.0	1.0
Total finished <sup>3</sup> .....	FD	49201	78.147	10.2	0.6	1.1	1.0	1.4	0.3
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>3, 5</sup> .....	FD	49202	68.421	8.4	0.8	0.9	0.6	1.1	0.2
Total finished less foods and energy <sup>3, 5</sup> .....	FD	49203	68.922	8.3	0.8	0.9	0.5	1.1	0.2
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>5</sup> .....	FD	49204	73.216	10.0	0.7	1.1	1.0	1.4	0.2
Total finished less foods <sup>3, 5</sup> .....	FD	49205	73.717	9.9	0.7	1.1	1.0	1.4	0.2
Total finished less energy <sup>3</sup> .....	FD	49206	73.352	8.8	0.7	1.0	0.6	1.2	0.3
Finished goods <sup>3</sup> .....	FD	49207	21.379	15.7	0.1	1.6	2.5	2.1	0.8
Finished goods less energy <sup>3</sup> .....	FD	49208	16.584	10.5	0.4	1.1	1.2	1.1	1.1
Finished goods, excluding foods <sup>3, 5</sup> .....	FD	49209	16.949	15.6	0.1	1.6	2.7	2.0	0.7
Finished services <sup>3</sup> .....	FD	49210	55.629	7.9	0.9	0.9	0.4	1.2	0.0
Private capital investment services.....	FD	49211	7.290	15.1	1.6	2.2	1.4	1.3	0.4
Finished distributive services <sup>3, 6</sup> .....	FD	49212	19.506	16.2	1.8	1.3	1.6	2.2	0.0
Finished services less trade services <sup>3</sup> .....	FD	49213	38.285	4.8	0.4	0.7	-0.1	0.8	0.2
Finished services less distributive services <sup>3, 6</sup> .....	FD	49214	36.123	3.7	0.4	0.6	-0.2	0.6	-0.1
Total private capital investment (goods, services, and construction).....	FD	49215	14.100	13.2	1.1	1.9	1.2	1.0	1.0
Finished goods plus finished distributive services <sup>3, 6</sup> .....	FD	49216	40.885	15.9	0.9	1.5	2.1	2.1	0.4
Total exports.....	FD	49301	14.180	13.5	0.3	1.0	1.0	2.1	1.3
Goods for export.....	FD	49302	8.381	15.7	-0.2	1.1	1.2	2.6	1.8
Services for export.....	FD	49303	5.799	10.6	1.1	0.8	0.8	1.5	0.6
Total government purchases.....	FD	49401	7.670	14.4	0.1	1.8	1.5	2.4	1.7
Government purchased goods.....	FD	49402	3.524	21.7	-0.4	2.7	2.7	4.2	2.7
Government purchased services.....	FD	49403	3.536	7.3	0.7	0.8	0.5	1.0	0.4
Total government purchased capital investment (goods, services, construction).....	FD	49404	1.921	11.2	0.6	1.6	0.8	1.1	1.3
Personal consumption.....	FD	49501	64.047	9.5	0.5	0.9	1.0	1.5	0.1
Personal consumption goods (finished consumer goods).....	FD	49502	15.708	18.0	-0.1	1.8	3.0	2.5	0.7
Personal consumption goods less energy.....	FD	49503	10.913	11.1	0.3	1.1	1.3	1.3	1.1
Personal consumption goods less foods.....	FD	49504	11.278	18.9	-0.1	1.9	3.5	2.6	0.4
Personal consumption nondurable goods less foods.....	FD	49508	8.873	21.6	-0.2	2.1	4.2	3.0	0.3
Personal consumption services.....	FD	49505	48.339	6.9	0.8	0.7	0.3	1.2	-0.1
Personal consumption less trade services.....	FD	49506	49.908	8.4	0.2	0.9	0.9	1.3	0.3
Personal consumption less distributive services <sup>6</sup> .....	FD	49507	48.173	7.9	0.2	0.9	0.8	1.2	0.1
Personal consumption less foods and energy.....	FD	49510	54.822	7.1	0.7	0.7	0.4	1.1	0.0
Personal consumption less foods, energy, and trade services <sup>4</sup> .....	FD	49511	40.683	4.8	0.4	0.6	0.0	0.8	0.2
Personal consumption less foods, energy, and distributive services <sup>6</sup> .....	FD	49512	38.948	4.1	0.4	0.5	0.0	0.6	0.0
Personal consumption goods plus personal consumption distributive services <sup>6</sup> .....	FD	49509	31.582	16.4	0.8	1.4	2.2	2.4	0.3
<b>Intermediate Demand by Commodity Type</b>									
<b>Processed goods</b>									
Processed goods for intermediate demand.....	ID6	1	100.000	21.9	-0.1	2.2	1.5	2.2	2.2
Materials and components for manufacturing.....	ID6	11	46.096	17.2	0.3	1.1	-0.1	0.6	1.7
Materials for manufacturing.....	ID6	111	30.586	20.1	0.0	1.0	-0.6	0.6	2.1
Materials for food manufacturing.....	ID6	1111	4.053	20.2	0.2	2.6	2.3	2.3	3.8
Materials for nondurable manufacturing.....	ID6	1112	13.367	19.6	-0.5	0.4	1.5	1.7	2.1
Materials for durable manufacturing.....	ID6	1113	13.166	20.6	0.5	1.2	-3.4	-1.2	1.5
Components for manufacturing.....	ID6	112	15.510	12.0	0.8	1.3	0.7	0.7	1.0
Components for nondurable manufacturing.....	ID6	1121	8.006	17.3	0.9	1.4	0.7	1.1	0.6
Components for durable manufacturing.....	ID6	1122	14.704	11.7	0.8	1.3	0.7	0.6	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**  
[April 2022]

Grouping	Commodity code		Relative Importance Dec. 2021 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Apr. 2021 to Apr. 2022 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Nov. to Dec.	Dec. to Jan. <sup>P</sup>	Jan. to Feb. <sup>P</sup>	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>
Materials and components for construction.....	ID6	12	9.003	21.2	1.9	3.1	1.8	1.7	0.8
Materials for construction.....	ID6	121	3.829	15.2	2.4	5.0	2.5	2.3	-0.1
Components for construction.....	ID6	122	5.174	26.2	1.5	1.8	1.3	1.3	1.6
Processed fuels and lubricants for intermediate demand.....	ID6	13	18.697	44.9	-2.7	4.7	5.8	7.2	4.5
Processed fuels and lubricants to manufacturing industries.....	ID6	131	4.640	33.0	-0.8	3.8	4.7	5.2	4.4
Processed fuels and lubricants to nonmanufacturing industries.....	ID6	132	14.057	49.0	-3.4	5.0	6.1	7.8	4.5
Containers for intermediate demand.....	ID6	14	2.781	20.2	0.9	3.4	1.7	0.1	2.3
Supplies for intermediate demand.....	ID6	15	23.422	14.4	0.6	1.6	1.1	1.2	1.4
Supplies to manufacturing industries.....	ID6	151	3.215	16.0	0.3	1.2	1.0	1.2	1.6
Supplies to nonmanufacturing industries.....	ID6	152	20.207	14.1	0.7	1.7	1.1	1.2	1.3
Supplies to nonmanufacturing industries, feeds.....	ID6	1521	1.713	15.0	-0.4	2.4	2.3	3.4	1.6
Supplies to nonmanufacturing industries, other than feeds.....	ID6	1522	18.494	14.0	0.8	1.6	1.0	1.0	1.3
<b>Unprocessed goods</b>									
Unprocessed goods for intermediate demand.....	ID6	2	100.000	48.1	-4.8	2.9	10.0	1.8	5.3
Unprocessed foodstuffs and feedstuffs.....	ID6	21	32.314	34.8	3.8	2.7	5.6	7.6	2.5
Unprocessed nonfood materials.....	ID6	22	67.685	56.7	-8.5	3.0	12.1	-0.8	6.6
Unprocessed nonfood materials except fuel.....	ID6	221	44.356	44.3	-6.1	6.6	6.3	9.3	2.6
Unprocessed nonfood materials except fuel to manufacturing industries.....	ID6	2211	42.325	46.1	-6.3	6.8	6.6	9.7	2.7
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	ID6	2212	2.031	8.7	0.0	2.6	1.1	0.9	0.6
Unprocessed fuel.....	ID6	222	23.329	94.6	-13.0	-4.2	24.7	-19.9	17.0
Unprocessed fuel to manufacturing industries.....	ID6	2221	1.185	62.5	-6.1	11.3	8.5	-5.6	17.4
Unprocessed fuel to nonmanufacturing industries.....	ID6	2222	22.144	97.2	-13.3	-5.0	25.7	-20.6	17.0
<b>Services</b>									
Services for intermediate demand.....	ID6	3	100.000	7.5	0.8	0.7	0.2	1.1	0.7
Trade services for intermediate demand <sup>4</sup> .....	ID6	33	22.363	14.6	1.5	1.4	1.3	3.4	-0.1
Trade services for manufacturing industries.....	ID6	331	11.460	12.8	1.6	0.5	0.4	1.9	-0.2
Trade services for nonmanufacturing industries.....	ID6	332	10.903	16.5	1.3	2.2	2.2	4.9	-0.1
Transportation and warehousing services for intermediate demand.....	ID6	32	13.287	16.7	1.6	0.5	0.5	2.1	2.5
Transportation of passengers for intermediate demand.....	ID6	321	0.978	21.0	4.2	-5.2	3.4	10.8	2.8
Transportation of passengers for manufacturing industries.....	ID6	3211	0.115	21.5	4.3	-5.3	3.4	11.1	2.9
Transportation of passengers for nonmanufacturing industries.....	ID6	3212	0.863	21.0	4.2	-5.2	3.3	10.8	2.8
Transportation and warehousing of goods for intermediate demand.....	ID6	322	12.309	16.4	1.4	1.0	0.3	1.5	2.5
Transportation and warehousing of goods for manufacturing industries.....	ID6	3221	2.502	18.6	0.8	1.4	1.1	2.9	3.6
Transportation and warehousing of goods for nonmanufacturing industries.....	ID6	3222	9.807	15.8	1.5	0.9	0.1	1.1	2.2
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	64.350	3.5	0.5	0.6	-0.2	0.0	0.6
Services less trade, transportation, and warehousing for manufacturing industries.....	ID6	311	2.044	6.0	0.5	0.5	0.6	0.7	0.8
Services less trade, transportation, and warehousing for nonmanufacturing industries.....	ID6	312	62.306	3.4	0.5	0.6	-0.3	0.0	0.5
<b>Construction</b>									
Construction for intermediate demand.....	ID6	4	100.000	15.3	0.0	2.2	1.0	1.2	2.4
<b>Special Groupings of Intermediate Demand by Commodity Type</b>									
Processed materials less foods and feeds.....	ID6	9111	92.172	22.3	-0.1	2.1	1.5	2.1	2.1
Processed foods and feeds.....	ID6	9112	7.828	17.4	0.1	2.6	2.1	2.2	2.9
Processed energy goods.....	ID6	9113	18.697	44.9	-2.7	4.7	5.8	7.2	4.5
Processed materials less energy.....	ID6	9118	81.303	16.9	0.6	1.6	0.5	0.9	1.5
Processed materials less foods and energy.....	ID6	9115	73.475	16.9	0.6	1.5	0.3	0.7	1.4
Intermediate distributive services <sup>7</sup> .....	ID6	9116	34.672	15.3	1.4	1.2	0.9	2.7	0.8
Processed goods plus intermediate distributive services.....	ID6	9117	-	19.9	0.4	1.9	1.4	2.3	1.8
Unprocessed materials less agricultural products.....	ID6	9211	62.579	59.1	-9.2	2.9	13.0	-2.1	6.9
Unprocessed energy materials <sup>8</sup> .....	ID6	9212	42.184	82.8	-12.1	4.2	18.4	-6.5	10.3
Unprocessed materials less energy.....	ID6	9213	57.816	30.5	1.4	1.6	3.9	8.6	1.7
Unprocessed nonfood materials less energy <sup>9</sup> .....	ID6	9216	25.502	23.9	-1.8	0.6	1.4	9.8	0.5
<b>Intermediate Demand by Production Flow</b>									
<b>Stage 4 Intermediate Demand</b>									
Stage 4 intermediate demand.....	ID5	4	100.000	11.7	0.7	1.5	0.6	1.0	0.9
Inputs to stage 4 goods producers.....	ID5	41	32.889	14.5	0.9	1.4	0.7	1.2	1.1
Goods.....	ID5	411	23.198	15.6	0.4	1.5	0.6	1.2	1.6
Foods.....	ID5	4111	3.174	23.1	0.0	1.5	2.5	5.3	2.8
Energy.....	ID5	4112	0.190	36.7	4.0	0.8	6.4	3.5	3.4

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Apr. 2021 to Apr. 2022 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Nov. to Dec.	Dec. to Jan. <sup>P</sup>	Jan. to Feb. <sup>P</sup>	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>
Goods excluding foods and energy.....	ID5	4113	19.834	14.1	0.5	1.5	0.2	0.5	1.4
Services.....	ID5	412	9.691	11.9	1.9	1.1	0.9	1.3	0.0
Trade services.....	ID5	4123	7.740	13.0	2.2	1.2	1.0	1.3	-0.2
Transportation and warehousing services.....	ID5	4122	0.474	16.0	1.1	0.3	1.1	3.4	3.1
Transportation of passengers.....	ID5	41221	0.065	21.6	4.3	-5.3	3.5	11.1	2.9
Transportation and warehousing of goods.....	ID5	41222	0.409	15.2	0.6	1.2	0.7	2.2	3.1
Services less trade, transportation, and warehousing.....	ID5	4121	1.477	5.2	0.4	1.0	0.2	0.6	0.5
Inputs to stage 4 services producers.....	ID5	42	52.465	7.7	0.5	1.1	0.1	0.5	0.8
Goods.....	ID5	421	13.952	15.0	0.1	2.1	1.3	1.5	1.3
Foods.....	ID5	4211	2.324	14.8	0.3	1.2	2.4	1.5	1.6
Energy.....	ID5	4212	3.769	21.6	-1.7	3.9	1.4	2.7	1.8
Goods excluding foods and energy.....	ID5	4213	7.859	12.1	0.9	1.5	0.9	0.9	0.9
Services.....	ID5	422	38.427	5.1	0.6	0.8	-0.3	0.1	0.6
Trade services.....	ID5	4223	4.502	13.2	1.5	1.0	1.3	2.0	-0.1
Transportation and warehousing services.....	ID5	4222	3.234	14.7	1.8	0.9	-0.4	2.1	2.4
Transportation of passengers.....	ID5	42221	0.413	21.5	4.3	-5.3	3.4	11.0	2.9
Transportation and warehousing of goods.....	ID5	42222	2.821	13.8	1.5	1.8	-0.9	0.8	2.3
Services less trade, transportation, and warehousing.....	ID5	4221	30.691	3.0	0.4	0.8	-0.5	-0.4	0.5
Construction.....	ID5	423	0.086	15.3	0.0	2.2	1.0	1.2	2.4
Inputs to stage 4 construction producers.....	ID5	43	14.643	20.4	1.2	2.9	2.2	2.5	0.8
Goods.....	ID5	431	10.507	23.4	1.4	3.1	2.7	2.3	1.0
Energy.....	ID5	4312	0.846	57.2	-1.1	3.6	12.3	8.6	1.8
Goods excluding foods and energy.....	ID5	4313	9.661	20.4	1.7	3.1	1.8	1.6	0.9
Services.....	ID5	432	4.136	13.4	0.6	2.2	0.9	3.0	0.5
Trade services.....	ID5	4323	2.037	17.8	0.8	2.7	1.2	4.6	-0.4
Transportation and warehousing services.....	ID5	4322	0.611	23.2	0.8	1.7	1.6	4.3	4.0
Transportation of passengers.....	ID5	43221	0.013	21.6	4.3	-5.3	3.4	11.1	2.9
Transportation and warehousing of goods.....	ID5	43222	0.598	23.3	0.8	1.8	1.6	4.1	4.0
Services less trade, transportation, and warehousing.....	ID5	4321	1.488	4.1	0.1	1.8	0.1	0.3	0.3
<b>Stage 3 Intermediate Demand</b>									
Stage 3 intermediate demand.....	ID5	3	100.000	19.1	0.8	1.6	1.4	2.9	2.2
Inputs to stage 3 goods producers.....	ID5	31	49.671	23.3	1.4	1.6	1.1	2.7	2.4
Goods.....	ID5	311	40.111	25.3	1.5	1.8	1.4	2.7	2.7
Foods.....	ID5	3111	10.917	36.7	5.5	4.1	5.1	7.9	3.1
Energy.....	ID5	3112	1.560	49.0	0.9	0.3	5.6	6.4	11.3
Goods excluding foods and energy.....	ID5	3113	27.634	19.5	-0.1	1.0	-0.4	0.1	1.9
Services.....	ID5	312	9.560	15.1	0.9	0.5	0.0	2.9	1.2
Trade services.....	ID5	3123	5.718	14.1	1.0	-0.1	-0.7	3.0	0.0
Transportation and warehousing services.....	ID5	3122	2.547	21.1	1.0	1.4	1.5	3.7	3.8
Transportation of passengers.....	ID5	31221	0.118	21.6	4.3	-5.3	3.5	11.1	2.9
Transportation and warehousing of goods.....	ID5	31222	2.429	21.1	0.8	1.7	1.4	3.3	3.9
Services less trade, transportation, and warehousing.....	ID5	3121	1.295	7.3	0.4	1.0	0.5	0.8	0.9
Inputs to stage 3 services producers.....	ID5	32	48.940	15.0	0.1	1.6	1.6	2.9	2.1
Goods.....	ID5	321	10.345	49.1	-2.4	5.4	7.1	10.4	5.8
Foods.....	ID5	3211	0.089	11.3	0.8	2.6	1.5	1.3	1.3
Energy.....	ID5	3212	6.121	74.7	-4.1	8.0	10.7	15.5	8.0
Goods excluding foods and energy.....	ID5	3213	4.135	15.1	0.3	1.5	1.4	1.6	1.4
Services.....	ID5	322	37.680	6.6	0.8	0.5	0.0	0.7	0.9
Trade services.....	ID5	3223	2.608	16.5	-0.3	1.4	0.5	4.6	0.2
Transportation and warehousing services.....	ID5	3222	8.849	14.4	1.7	0.3	0.0	0.6	1.8
Transportation of passengers.....	ID5	32221	0.022	2.1	0.0	-0.5	0.2	0.4	0.9
Transportation and warehousing of goods.....	ID5	32222	8.827	14.5	1.7	0.3	0.0	0.6	1.8
Services less trade, transportation, and warehousing.....	ID5	3221	26.223	3.3	0.7	0.5	-0.1	0.3	0.6
Construction.....	ID5	323	0.915	15.3	0.0	2.2	1.0	1.2	2.4
Inputs to stage 3 construction producers.....	ID5	33	1.388	19.5	1.3	6.1	4.0	5.3	-0.1
Goods.....	ID5	331	0.580	20.6	2.2	4.9	2.2	2.4	0.2
Goods excluding foods and energy.....	ID5	3313	0.580	20.6	2.2	4.9	2.2	2.4	0.2
Services.....	ID5	332	0.808	18.9	0.8	6.9	5.3	7.2	-0.3
Trade services.....	ID5	3323	0.766	19.3	0.8	7.3	5.5	7.5	-0.4
Transportation and warehousing services.....	ID5	3322	0.015	12.2	0.9	0.8	0.2	0.5	3.3
Transportation and warehousing of goods.....	ID5	33222	0.015	12.2	0.9	0.8	0.2	0.5	3.3
Services less trade, transportation, and warehousing.....	ID5	3321	0.027	8.9	0.7	-0.6	0.9	1.3	1.2
<b>Stage 2 Intermediate Demand</b>									
Stage 2 intermediate demand.....	ID5	2	100.000	23.5	-2.2	1.3	4.3	0.2	2.8
Inputs to stage 2 goods producers.....	ID5	21	54.815	37.1	-4.7	2.2	7.5	-0.5	4.3

See footnotes at end of table.



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

Grouping	Commodity code		Relative Importance Dec. 2021 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Apr. 2021 to Apr. 2022 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Nov. to Dec.	Dec. to Jan. <sup>P</sup>	Jan. to Feb. <sup>P</sup>	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>
Goods.....	ID5	211	42.661	46.3	-6.3	2.7	9.3	-1.1	5.3
Foods.....	ID5	2111	3.184	19.0	0.2	4.3	5.1	4.8	1.7
Energy.....	ID5	2112	19.750	83.7	-12.3	4.6	18.0	-5.6	9.6
Goods excluding foods and energy.....	ID5	2113	19.727	20.7	-0.3	0.6	0.8	3.6	0.9
Services.....	ID5	212	11.685	9.7	1.2	0.1	0.8	1.7	0.7
Trade services.....	ID5	2123	5.350	12.2	1.6	0.0	1.4	2.9	-0.3
Transportation and warehousing services.....	ID5	2122	3.353	9.5	1.0	0.3	0.3	0.9	2.0
Transportation of passengers.....	ID5	21221	0.154	20.3	4.0	-5.0	3.2	10.4	2.7
Transportation and warehousing of goods.....	ID5	21222	3.199	8.9	0.9	0.5	0.2	0.4	2.0
Services less trade, transportation, and warehousing.....	ID5	2121	2.982	5.7	0.6	0.3	0.1	0.6	0.9
Construction.....	ID5	213	0.469	15.3	0.0	2.2	1.0	1.2	2.4
Inputs to stage 2 services producers.....	ID5	22	45.184	8.8	1.1	0.3	0.3	1.1	0.8
Goods.....	ID5	221	5.823	18.8	0.6	1.2	1.2	1.3	1.5
Foods.....	ID5	2211	0.032	18.4	1.4	2.7	3.1	2.9	1.0
Energy.....	ID5	2212	0.396	59.7	-4.3	1.6	6.7	1.8	5.8
Goods excluding foods and energy.....	ID5	2213	5.395	16.4	1.0	1.1	0.8	1.2	1.1
Services.....	ID5	222	37.793	7.1	1.2	0.1	0.2	1.1	0.6
Trade services.....	ID5	2223	2.550	25.2	4.8	-2.5	2.1	10.7	1.3
Transportation and warehousing services.....	ID5	2222	3.079	26.4	3.7	-1.9	1.2	1.3	2.2
Transportation of passengers.....	ID5	22221	0.352	21.4	4.3	-5.3	3.4	11.0	2.9
Transportation and warehousing of goods.....	ID5	22222	2.727	27.2	3.6	-1.4	0.9	0.1	2.1
Services less trade, transportation, and warehousing.....	ID5	2221	32.164	4.2	0.7	0.4	-0.1	0.4	0.4
Construction.....	ID5	223	1.568	15.3	0.0	2.2	1.0	1.2	2.4
<b>Stage 1 Intermediate Demand</b>									
Stage 1 intermediate demand.....	ID5	1	100.000	16.8	0.4	1.4	1.0	2.5	1.6
Inputs to stage 1 goods producers.....	ID5	11	35.393	20.8	0.2	0.3	0.1	2.2	1.7
Goods.....	ID5	111	26.061	24.9	-0.2	0.4	0.3	2.4	2.2
Foods.....	ID5	1111	3.173	26.7	1.4	1.3	2.4	8.7	2.6
Energy.....	ID5	1112	3.734	40.1	-2.4	1.0	3.7	0.2	5.5
Goods excluding foods and energy.....	ID5	1113	19.154	22.0	-0.1	0.2	-0.7	1.7	1.5
Services.....	ID5	112	9.331	10.1	1.2	0.0	-0.4	1.7	0.2
Trade services.....	ID5	1123	6.049	12.4	1.4	-0.7	-0.4	2.4	-0.3
Transportation and warehousing services.....	ID5	1122	0.488	17.2	2.1	-0.5	0.4	1.9	4.1
Transportation of passengers.....	ID5	11221	0.084	21.7	4.3	-5.3	3.5	11.1	2.9
Transportation and warehousing of goods.....	ID5	11222	0.404	16.2	1.7	0.5	-0.2	0.0	4.4
Services less trade, transportation, and warehousing.....	ID5	1121	2.794	4.2	0.5	1.4	-0.5	0.0	0.5
Construction.....	ID5	113	0.001	15.3	0.0	2.2	1.0	1.2	2.4
Inputs to stage 1 services producers.....	ID5	12	51.748	12.9	0.4	1.4	1.0	2.3	1.6
Goods.....	ID5	121	17.248	26.1	-0.2	3.2	3.2	4.3	3.1
Foods.....	ID5	1211	0.051	107.7	0.2	2.2	3.0	1.8	82.2
Energy.....	ID5	1212	5.794	47.4	-2.2	5.6	6.9	10.2	5.0
Goods excluding foods and energy.....	ID5	1213	11.403	15.5	0.9	2.0	1.2	1.1	1.5
Services.....	ID5	122	34.495	6.7	0.7	0.6	-0.1	1.2	0.8
Trade services.....	ID5	1223	3.803	16.0	0.9	1.6	0.9	4.1	0.0
Transportation and warehousing services.....	ID5	1222	3.609	16.8	1.7	-0.7	1.0	4.6	2.4
Transportation of passengers.....	ID5	12221	1.091	21.6	4.3	-5.3	3.5	11.1	2.9
Transportation and warehousing of goods.....	ID5	12222	2.518	14.6	0.6	1.3	0.1	1.8	2.2
Services less trade, transportation, and warehousing.....	ID5	1221	27.083	4.2	0.5	0.6	-0.4	0.3	0.7
Construction.....	ID5	123	0.005	15.3	0.0	2.2	1.0	1.2	2.4
Inputs to stage 1 construction producers.....	ID5	13	12.858	22.5	0.8	4.0	3.2	4.4	1.6
Goods.....	ID5	131	8.466	24.4	0.9	2.9	2.7	3.3	2.3
Energy.....	ID5	1312	0.829	76.4	-2.2	8.2	11.6	18.3	8.3
Goods excluding foods and energy.....	ID5	1313	7.637	19.2	1.2	2.4	1.7	1.4	1.5
Services.....	ID5	132	4.392	19.2	0.6	6.0	4.2	6.5	0.2
Trade services.....	ID5	1323	3.727	18.2	0.6	6.7	4.6	6.9	-0.4
Transportation and warehousing services.....	ID5	1322	0.609	26.9	0.9	2.1	1.9	4.8	4.4
Transportation and warehousing of goods.....	ID5	13222	0.609	26.8	0.9	2.1	1.9	4.8	4.4
Services less trade, transportation, and warehousing.....	ID5	1321	0.056	4.3	0.1	0.3	1.5	0.2	0.2
<b>Special Groupings of Intermediate Demand by Production Flow</b>									
Total goods inputs to stage 4 intermediate demand.....	ID5	9411	47.657	17.0	0.5	2.0	1.2	1.5	1.3
Total services inputs to stage 4 intermediate demand.....	ID5	9412	52.254	7.0	0.8	1.0	0.0	0.5	0.5
Total construction inputs to stage 4 intermediate demand.....	ID5	9413	0.086	15.3	0.0	2.2	1.0	1.2	2.4
Total foods inputs to stage 4 intermediate demand.....	ID5	9414	5.498	19.5	0.1	1.4	2.5	3.7	2.3
Total energy goods inputs to stage 4 intermediate demand.....	ID5	9415	4.805	28.4	-1.4	3.7	3.6	3.9	1.8
Total goods less foods and energy inputs to stage 4 intermediate demand.....	ID5	9416	37.354	15.3	0.9	1.9	0.8	0.9	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**  
[April 2022]

Grouping	Commodity code		Relative Importance Dec. 2021 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Apr. 2021 to Apr. 2022 <sup>p</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Nov. to Dec.	Dec. to Jan. <sup>p</sup>	Jan. to Feb. <sup>p</sup>	Feb. to Mar. <sup>p</sup>	Mar. to Apr. <sup>p</sup>
Total goods inputs to stage 3 intermediate demand.....	ID5	9311	51.036	30.1	0.7	2.6	2.6	4.4	3.4
Total services inputs to stage 3 intermediate demand.....	ID5	9312	48.048	8.5	0.9	0.6	0.1	1.2	0.9
Total construction inputs to stage 3 intermediate demand.....	ID5	9313	0.915	15.3	0.0	2.2	1.0	1.2	2.4
Total foods inputs to stage 3 intermediate demand.....	ID5	9314	11.006	36.5	5.5	4.1	5.1	7.8	3.0
Total energy goods inputs to stage 3 intermediate demand.....	ID5	9315	7.681	69.6	-3.1	6.4	9.7	13.8	8.6
Total goods less foods and energy inputs to stage 3 intermediate demand.....	ID5	9316	32.349	18.9	0.0	1.1	-0.2	0.3	1.8
Total goods inputs to stage 2 intermediate demand.....	ID5	9211	48.484	43.0	-5.6	2.6	8.5	-0.8	4.9
Total services inputs to stage 2 intermediate demand.....	ID5	9212	49.478	7.7	1.2	0.1	0.3	1.3	0.6
Total construction inputs to stage 2 intermediate demand.....	ID5	9213	2.037	15.3	0.0	2.2	1.0	1.2	2.4
Total foods inputs to stage 2 intermediate demand.....	ID5	9214	3.216	19.0	0.2	4.2	5.1	4.8	1.6
Total energy goods inputs to stage 2 intermediate demand.....	ID5	9215	20.146	83.2	-12.2	4.5	17.8	-5.5	9.6
Total goods less foods and energy inputs to stage 2 intermediate demand.....	ID5	9216	25.122	19.8	0.0	0.7	0.8	3.1	0.9
Total goods inputs to stage 1 intermediate demand.....	ID5	9111	51.775	25.2	0.0	1.7	1.6	3.2	2.5
Total services inputs to stage 1 intermediate demand.....	ID5	9112	48.218	8.6	0.8	0.9	0.2	1.8	0.6
Total construction inputs to stage 1 intermediate demand.....	ID5	9117	0.006	15.3	0.0	2.2	1.0	1.2	2.4
Total foods inputs to stage 1 intermediate demand.....	ID5	9114	3.224	28.0	1.4	1.3	2.4	8.6	3.7
Total energy goods inputs to stage 1 intermediate demand.....	ID5	9115	10.357	47.2	-2.3	4.2	6.2	7.5	5.5
Total goods less foods and energy inputs to stage 1 intermediate demand.....	ID5	9116	38.194	19.3	0.5	1.1	0.3	1.5	1.5

<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.

p Preliminary

"-" Data not available.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted**  
[April 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		Nov. to Dec.	Dec. to Jan. <sup>P</sup>	Jan. to Feb. <sup>P</sup>	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>
<b>Final Demand</b>								
Final demand.....	FD	4	11.0	0.6	1.2	1.1	1.6	0.5
Final demand goods.....	FD	41	16.3	-0.1	1.6	2.2	2.4	1.3
Final demand foods.....	FD	411	16.3	-0.2	1.7	2.0	2.5	1.5
Fresh fruits and melons <sup>2</sup> .....	01	11	17.3	-5.8	3.9	4.5	-8.1	8.5
Fresh and dry vegetables <sup>2</sup> .....	01	13	45.7	-14.9	-3.5	-9.3	42.4	-26.6
Grains.....	01	2	41.3	3.2	0.4	1.9	16.0	3.8
Eggs for fresh use <sup>2</sup> .....	01	7107	161.3	46.9	-17.6	31.3	-14.3	82.0
Oilseeds.....	01	8301	19.2	0.5	8.7	9.3	5.6	1.3
Bakery products <sup>2</sup> .....	02	11	10.0	0.7	2.3	2.3	0.4	1.0
Milled rice <sup>2</sup> .....	02	13	14.6	0.4	0.6	4.2	0.7	0.5
Pasta products <sup>2</sup> .....	02	1402	25.5	10.3	2.2	2.7	0.4	2.5
Beef and veal.....	02	2101	4.0	-4.6	6.5	-3.6	-7.3	-2.6
Pork.....	02	2104	-1.4	-2.0	-2.6	4.0	4.2	4.0
Processed young chickens.....	02	2203	24.1	1.4	0.2	2.1	3.2	-0.4
Processed turkeys.....	02	2206	49.0	2.2	5.8	5.4	0.9	3.5
Finfish and shellfish.....	02	23	25.1	1.8	-13.3	2.2	1.1	5.1
Dairy products.....	02	3	20.4	2.5	5.1	3.7	3.3	2.8
Processed fruits and vegetables <sup>2</sup> .....	02	4	7.7	0.5	1.1	0.9	0.8	1.0
Confectionery end products <sup>2</sup> .....	02	55	6.9	-0.1	0.9	0.5	0.8	0.4
Soft drinks <sup>2</sup> .....	02	62	11.4	0.4	3.1	0.9	0.0	0.8
Roasted coffee <sup>2</sup> .....	02	6301	13.4	1.0	1.0	8.7	0.6	0.5
Shortening and cooking oils <sup>2</sup> .....	02	78	42.7	-3.3	3.2	7.5	8.9	1.5
Frozen specialty food <sup>2</sup> .....	02	85	14.9	0.3	1.1	5.4	2.2	1.9
Final demand energy.....	FD	412	40.0	-1.4	4.1	7.2	6.4	1.7
Liquefied petroleum gas <sup>2</sup> .....	05	32	102.6	-15.5	16.8	7.9	12.9	-1.8
Residential electric power.....	05	41	10.6	0.7	2.4	0.0	2.3	1.2
Residential natural gas.....	05	51	24.6	0.8	0.4	2.0	0.0	3.7
Gasoline.....	05	71	55.0	-1.8	3.3	14.4	5.7	-3.2
Home heating oil and distillates.....	05	7302	118.4	0.6	15.2	7.6	23.7	11.7
No. 2 diesel fuel.....	05	7303	86.5	-3.3	9.9	14.2	21.4	8.1
Final demand goods less foods and energy.....	FD	413	10.1	0.4	0.8	0.8	1.1	1.0
Alcoholic beverages.....	02	61	4.3	0.1	0.4	0.9	1.0	0.8
Pet food <sup>2</sup> .....	02	9402	10.3	0.2	1.0	1.5	0.3	0.5
Women's, girls', and infants' apparel <sup>2</sup> .....	03	8106	2.1	0.0	0.2	0.0	-0.1	0.1
Men's and boys' apparel <sup>2</sup> .....	03	8107	6.1	0.1	1.9	1.2	0.1	0.6
Textile housefurnishings <sup>2</sup> .....	03	82	7.5	0.0	1.1	-1.9	0.1	1.9
Footwear.....	04	3	6.1	0.7	0.1	-0.2	0.5	0.6
Industrial chemicals.....	06	1	22.5	-1.5	-0.2	1.7	2.1	1.8
Pharmaceutical preparations.....	06	38	1.6	0.1	-0.4	0.5	0.3	0.2
Soaps and detergents <sup>2</sup> .....	06	71	6.9	0.1	1.0	0.7	0.7	0.3
Cleaning and polishing products <sup>2</sup> .....	06	72	7.3	0.3	1.0	0.8	0.5	0.2
Cosmetics and other toiletries <sup>2</sup> .....	06	75	5.2	0.3	1.2	2.5	0.0	0.1
Tires <sup>2</sup> .....	07	1201	16.7	0.4	3.6	1.1	0.1	4.4
Consumer, institutional, and commercial products, n.e.c. <sup>2</sup> .....	07	2B	28.2	3.6	0.5	3.1	1.1	1.8
Sanitary paper products <sup>2</sup> .....	09	1501	6.8	0.3	0.7	0.8	0.7	0.4
Iron and steel scrap <sup>2</sup> .....	10	12	31.5	-1.8	-9.2	-1.3	29.6	-3.2
Agricultural machinery and equipment.....	11	1	19.5	1.4	0.5	1.9	0.8	3.1
Construction machinery and equipment <sup>2</sup> .....	11	2	10.3	0.8	0.3	0.6	0.3	1.1
Metal cutting machine tools <sup>2</sup> .....	11	37	3.7	1.1	0.7	0.2	0.0	0.0
Metal forming machine tools.....	11	38	3.1	0.4	-0.4	0.0	0.1	0.5
Tools, dies, jigs, fixtures, and industrial molds <sup>2</sup> .....	11	39	10.7	0.7	1.0	0.6	1.3	2.3
Pumps, compressors, and equipment.....	11	41	13.8	1.2	1.6	2.6	0.9	1.1
Industrial material handling equipment <sup>2</sup> .....	11	44	16.5	1.1	1.2	0.4	0.6	2.4
Electronic computers and computer equipment <sup>2</sup> .....	11	5	6.8	0.6	2.3	0.9	1.1	0.1
Textile machinery and equipment <sup>2</sup> .....	11	62	6.4	0.2	5.4	0.1	0.0	0.0
Paper industries machinery <sup>2</sup> .....	11	64	7.8	0.8	0.7	0.5	0.4	0.8
Printing trades machinery and equipment <sup>2</sup> .....	11	65	6.4	2.5	0.2	0.2	-0.2	0.4
Transformers and power regulators <sup>2</sup> .....	11	74	44.5	1.9	0.6	0.4	7.9	3.9
Communication and related equipment.....	11	76	4.7	0.3	0.4	0.2	-0.1	0.3
Electronic components and accessories.....	11	78	4.8	0.3	1.1	0.0	0.5	1.1
X-ray and electromedical equipment <sup>2</sup> .....	11	7905	1.1	0.0	0.6	0.6	0.0	0.0
Oil field and gas field machinery <sup>2</sup> .....	11	91	5.6	0.2	2.2	0.1	0.0	0.0
Mining machinery and equipment <sup>2</sup> .....	11	92	20.5	0.0	0.2	0.3	2.5	4.9
Office and store machines and equipment <sup>2</sup> .....	11	93	25.0	1.5	22.6	0.0	0.0	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**  
[April 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		Apr. 2021 to Apr. 2022 <sup>P</sup>	Nov. to Dec.	Dec. to Jan. <sup>P</sup>	Jan. to Feb. <sup>P</sup>	Feb. to Mar. <sup>P</sup>
Household furniture <sup>2</sup> .....	12	1	13.4	0.7	0.8	0.5	1.6	0.4
Commercial furniture <sup>2</sup> .....	12	2	14.8	0.6	1.9	1.8	1.7	0.5
Floor coverings <sup>2</sup> .....	12	3	0.0	-0.1	-4.4	0.1	0.3	0.0
Household appliances <sup>2</sup> .....	12	4	13.0	0.9	1.4	0.7	0.4	3.0
Home electronic equipment <sup>2</sup> .....	12	5	12.8	0.1	1.1	0.8	1.4	0.0
Lawn and garden equipment excl. garden tractors <sup>2</sup> .....	12	66	8.7	1.1	0.6	0.9	0.3	1.8
Passenger cars.....	14	1101	3.5	-0.3	0.2	0.6	0.3	0.7
Light motor trucks.....	14	1105	5.1	0.0	0.6	1.0	0.7	1.3
Heavy motor trucks <sup>2</sup> .....	14	1106	1.1	0.0	0.4	0.0	0.0	0.0
Motor vehicles parts <sup>2</sup> .....	14	12	4.7	0.2	0.7	0.2	0.2	0.5
Truck trailers <sup>2</sup> .....	14	14	39.9	2.7	4.8	6.2	0.6	2.6
Travel trailers and campers <sup>2</sup> .....	14	16	22.2	0.7	2.3	0.0	0.5	1.2
Aircraft.....	14	21	4.2	0.2	0.4	0.4	1.5	0.4
Ships <sup>2</sup> .....	14	31	5.6	1.2	1.4	-0.1	0.1	0.0
Railroad equipment <sup>2</sup> .....	14	4	2.3	0.4	0.5	0.1	0.0	0.0
Toys, games, and children's vehicles <sup>2</sup> .....	15	11	4.2	0.0	2.6	0.0	-0.5	0.0
Sporting and athletic goods.....	15	12	16.5	1.1	3.6	1.9	0.0	0.1
Cigarettes <sup>2</sup> .....	15	21	8.6	1.6	0.8	0.4	0.0	1.1
Mobile homes <sup>2</sup> .....	15	5	25.6	3.8	2.9	2.5	3.3	0.7
Medical, surgical & personal aid devices.....	15	6	3.4	-0.2	1.6	0.6	0.5	0.3
Jewelry, platinum and karat gold <sup>2</sup> .....	15	9402	8.1	-0.8	0.7	1.5	5.5	0.7
Costume jewelry and novelties <sup>2</sup> .....	15	9404	6.0	0.0	0.0	4.4	0.0	0.0
Final demand services.....	FD	42	8.1	0.9	0.9	0.5	1.2	0.0
Final demand trade services <sup>3</sup> .....	FD	423	15.4	1.9	1.2	1.7	1.9	-0.5
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	12.6	3.3	2.0	1.7	0.1	-0.4
Machinery and vehicle wholesaling <sup>2</sup> .....	57	1103	31.3	4.4	2.8	5.6	1.3	-0.1
Professional and commercial equipment wholesaling <sup>2</sup> .....	57	1104	4.1	-2.3	0.3	-2.0	2.5	-0.1
Furnishings wholesaling <sup>2</sup> .....	57	2	26.7	7.7	1.7	-0.9	2.3	0.5
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	3.5	1.1	-4.2	0.9	0.3	-0.1
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	25.0	-2.2	3.0	0.4	6.2	2.3
Apparel wholesaling <sup>2</sup> .....	57	7	6.1	-1.8	-3.1	0.8	4.8	-0.4
Food and alcohol wholesaling <sup>2</sup> .....	57	8	9.6	1.6	0.9	2.7	1.6	-0.7
Food and alcohol retailing.....	58	1	9.7	1.7	1.2	2.1	0.2	-0.8
Health, beauty, and optical goods retailing <sup>2</sup> .....	58	2	1.4	3.0	2.6	1.2	-4.7	-1.3
Apparel, jewelry, footwear, and accessories retailing.....	58	3	8.6	0.8	1.2	-2.1	-0.5	-1.1
Computer hardware, software, and supplies retailing <sup>2</sup> .....	58	4	2.1	4.9	5.8	0.8	0.6	-0.8
TV, video, and photographic equipment and supplies retailing <sup>2</sup> .....	58	5	-8.2	1.5	3.4	4.0	-1.1	-0.7
Automobiles retailing (partial).....	58	6101	79.2	8.1	0.2	2.3	-3.0	-0.6
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	10.2	1.1	-0.3	0.6	1.8	1.4
RVs, trailers, and campers retailing <sup>2</sup> .....	58	8	43.4	5.6	3.7	-5.0	0.5	-1.0
Sporting goods, including boats, retailing.....	58	9	2.8	-4.5	-1.7	1.3	1.3	-2.8
Lawn, garden, and farm equipment and supplies retailing <sup>2</sup> .....	58	A	12.9	1.0	0.7	1.3	0.0	1.2
Furniture retailing <sup>2</sup> .....	58	B	24.5	2.5	2.1	1.7	4.4	-5.0
Flooring and floor coverings retailing <sup>2</sup> .....	58	C	7.7	2.8	17.9	-0.3	-0.4	-13.7
Hardware, building materials, and supplies retailing.....	58	D	22.5	1.0	10.9	9.1	10.7	-0.3
Major household appliances retailing.....	58	E	9.2	1.8	8.7	0.2	-1.5	0.2
Fuels and lubricants retailing.....	58	F	47.3	12.3	-10.4	3.7	27.0	3.5
Cleaning supplies and paper products retailing <sup>2</sup> .....	58	G	7.0	-1.5	2.6	0.1	0.6	-2.1
Book retailing <sup>2</sup> .....	58	H	4.4	-6.9	9.7	-3.0	2.0	-0.3
Final demand transportation and warehousing services.....	FD	422	22.6	1.6	0.1	2.0	5.7	3.6
Rail transportation of freight and mail <sup>2</sup> .....	30	11	9.7	0.4	0.9	0.3	0.7	2.6
Truck transportation of freight <sup>2</sup> .....	30	12	27.4	0.8	2.1	2.0	5.1	4.4
Air transportation of freight <sup>2</sup> .....	30	14	12.8	1.7	-0.2	-2.8	1.2	3.5
Courier, messenger, and U.S. postal services.....	30	16	10.0	0.1	1.3	-0.1	1.0	1.3
Rail transportation of passengers.....	30	21	1.4	-0.2	-0.3	0.1	0.0	0.8
Airline passenger services.....	30	22	21.6	4.3	-5.3	3.5	11.1	2.9
Final demand services less trade, transportation, and warehousing.....	FD	421	3.2	0.3	0.8	-0.3	0.3	-0.1
Sales of books <sup>2</sup> .....	33	11	5.8	1.2	0.9	2.2	0.5	0.2
Sales and subscriptions of periodicals and newspapers.....	33	12	1.1	0.5	0.3	-0.8	0.0	-0.6
Application software publishing <sup>2</sup> .....	34	2	2.2	-0.1	1.1	-4.3	3.4	-0.5
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-0.9	0.1	1.2	-2.0	1.5	-1.0
Residential wired telecommunication services.....	37	11	1.4	-0.1	0.1	-0.4	-0.2	0.0
Wireless telecommunication services.....	37	2	0.5	-0.1	-0.2	0.5	-0.1	-0.1
Cable and satellite subscriber services.....	37	3	2.5	0.2	1.7	-0.2	0.3	0.1
Internet access services <sup>2</sup> .....	37	4	0.0	0.1	0.0	0.0	0.0	-0.1

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**  
[April 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		Apr. 2021 to Apr. 2022 <sup>P</sup>	Nov. to Dec.	Dec. to Jan. <sup>P</sup>	Jan. to Feb. <sup>P</sup>	Feb. to Mar. <sup>P</sup>
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	3.6	0.8	0.2	0.0	0.1	0.0
Consumer loans (partial).....	39	12	-1.4	1.0	-0.2	-2.2	1.1	1.7
Deposit services (partial) <sup>2</sup> .....	39	2	-6.3	-3.6	1.1	-0.6	-5.1	-1.2
Other credit intermediation, incl. trust services (partial) <sup>2</sup> .....	39	3	-0.8	0.4	0.3	1.2	-0.3	0.1
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> ...	40	1	-0.8	-1.2	-0.5	1.6	-4.5	-0.2
Portfolio management <sup>2</sup> .....	40	2	-1.7	-0.3	2.0	-3.8	-1.3	-1.8
Life insurance <sup>2</sup> .....	41	1101	3.1	0.0	1.8	1.0	0.2	0.1
Disability insurance, including accidental death <sup>2</sup> .....	41	1102	-0.1	0.0	-0.1	0.0	0.0	0.0
Health and medical insurance.....	41	1103	1.4	0.5	-0.5	-0.2	0.1	0.1
Property and casualty insurance <sup>2</sup> .....	41	1104	1.0	0.0	0.1	0.4	0.1	0.0
Annuities <sup>2</sup> .....	41	2	-1.9	0.0	-0.4	-0.1	-0.1	-0.3
Residential property sales and leases, brokerage fees and commissions..	43	21	13.0	0.4	3.6	1.0	0.8	0.8
Passenger car rental.....	44	1	10.6	0.5	-5.7	-2.2	7.9	9.4
Legal services.....	45	1	4.2	0.4	1.0	0.3	0.4	-0.2
Tax preparation and planning.....	45	2102	-2.2	-1.3	-2.2	1.6	0.2	-0.1
Architectural and engineering services.....	45	3	4.2	0.0	2.4	0.0	0.2	0.3
Management, scientific, and technical consulting services.....	45	4	1.3	0.4	0.3	-0.4	0.2	0.0
Arrangement of flights (partial).....	47	1	-3.7	-0.2	0.8	-0.8	1.0	-0.3
Arrangement of vehicle rentals and lodging <sup>2</sup> .....	47	2	13.0	1.0	1.7	0.3	-0.1	3.0
Arrangement of cruises and tours <sup>2</sup> .....	47	3	6.2	-6.1	1.5	0.3	-0.4	-2.0
Physician care.....	51	1101	0.6	0.2	-0.5	0.0	0.0	-0.1
Medical laboratory and diagnostic imaging care <sup>2</sup> .....	51	1102	0.0	0.0	0.0	0.0	0.0	-0.1
Home health and hospice care.....	51	1103	2.3	0.2	0.7	0.0	0.3	-0.2
Hospital outpatient care <sup>2</sup> .....	51	1104	4.5	0.0	1.8	0.1	0.0	0.6
Dental care.....	51	1105	4.4	0.1	1.8	0.5	0.0	0.9
Hospital inpatient care.....	51	2101	2.8	0.3	1.1	-0.1	0.3	-0.4
Nursing home care.....	51	2102	2.4	0.1	0.0	-0.2	0.3	0.5
Traveler accommodation services.....	53	11	26.2	5.2	-2.3	-2.7	11.6	-3.1
Food and beverages for immediate consumption services (partial) <sup>2</sup> .....	54	1	6.5	0.6	0.2	0.1	0.5	-0.7
Motor vehicle repair and maintenance (partial).....	55	2	3.8	0.4	-0.6	1.4	0.6	0.0
Membership dues and admissions and recreation facility use fees (partial) <sup>2</sup> .....	56	1	3.6	1.1	0.3	0.7	1.0	0.4
Recreational activity instruction fees (partial) <sup>2</sup> .....	56	2	-0.6	0.0	0.0	0.0	0.0	1.1
Gaming receipts (partial) <sup>2</sup> .....	56	3	2.1	-3.8	2.1	-1.2	1.9	-4.6
Mining services <sup>2</sup> .....	60	1	11.6	2.0	2.4	0.1	1.3	1.1
<b>Final demand construction.....</b>	<b>FD</b>	<b>43</b>	<b>19.6</b>	<b>0.2</b>	<b>3.6</b>	<b>0.5</b>	<b>0.6</b>	<b>4.0</b>
New warehouse building construction <sup>2</sup> .....	80	1101	32.1	0.1	6.3	0.3	0.4	4.7
New school building construction <sup>2</sup> .....	80	1102	15.8	-0.3	2.8	0.1	0.5	4.1
New office building construction <sup>2</sup> .....	80	1103	19.6	0.6	4.0	1.0	0.9	2.7
New industrial building construction <sup>2</sup> .....	80	1104	23.0	0.3	3.8	0.7	0.2	4.7
New health care building construction <sup>2</sup> .....	80	1105	17.7	0.1	2.9	0.2	0.3	5.4
<b>Intermediate Demand by Commodity Type</b>								
Processed goods for intermediate demand.....	ID6	1	21.9	-0.1	2.2	1.5	2.2	2.2
Processed foods and feeds.....	ID6	9112	17.4	0.1	2.6	2.1	2.2	2.9
Meats.....	02	21	5.1	-2.8	2.8	-0.7	-2.1	-0.5
Processed poultry.....	02	22	24.1	2.4	2.6	3.1	3.8	1.3
Dairy products.....	02	3	20.4	2.5	5.1	3.7	3.3	2.8
Processed fruits and vegetables <sup>2</sup> .....	02	4	7.7	0.5	1.1	0.9	0.8	1.0
Refined sugar and byproducts <sup>2</sup> .....	02	53	6.5	1.3	0.0	1.1	0.8	0.4
Fats and oils <sup>2</sup> .....	02	7	40.5	-1.7	2.8	5.5	7.9	1.2
Prepared animal feeds <sup>2</sup> .....	02	9	13.9	0.3	2.9	2.8	3.2	1.6
Processed materials less foods and feeds.....	ID6	9111	22.3	-0.1	2.1	1.5	2.1	2.1
Synthetic fibers <sup>2</sup> .....	03	1	12.0	-0.8	0.4	-0.6	0.6	2.1
Processed yarns and threads <sup>2</sup> .....	03	2	31.7	0.2	2.3	1.4	3.7	6.2
Finished fabrics <sup>2</sup> .....	03	4	14.3	0.6	1.4	0.9	0.9	1.5
Liquefied petroleum gas <sup>2</sup> .....	05	32	102.6	-15.5	16.8	7.9	12.9	-1.8
Commercial electric power.....	05	42	9.4	-1.1	5.0	-2.5	3.0	0.1
Industrial electric power.....	05	43	11.0	-1.0	3.4	1.8	-0.3	-0.1
Commercial natural gas.....	05	52	28.4	-1.0	0.0	0.9	-0.4	6.2
Industrial natural gas.....	05	53	29.1	-2.5	-4.4	9.1	-7.8	7.0
Natural gas to electric utilities.....	05	54	47.6	-7.9	-4.7	-3.1	-19.6	10.2
Gasoline.....	05	71	55.0	-1.8	3.3	14.4	5.7	-3.2
Jet fuel <sup>2</sup> .....	05	7203	127.5	-9.9	13.1	13.5	23.5	14.8
No. 2 diesel fuel.....	05	7303	86.5	-3.3	9.9	14.2	21.4	8.1
Residual fuels <sup>2</sup> .....	05	74	52.8	-6.7	0.9	15.6	10.8	8.4

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**  
 [April 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		Apr. 2021 to Apr. 2022 <sup>P</sup>	Nov. to Dec.	Dec. to Jan. <sup>P</sup>	Jan. to Feb. <sup>P</sup>	Feb. to Mar. <sup>P</sup>
Finished lubricants <sup>2</sup> .....	05	76	15.1	0.2	0.8	0.4	0.0	5.0
Lubricating oil base stocks <sup>2</sup> .....	05	78	44.0	0.4	1.7	0.2	3.0	11.7
Asphalt.....	05	8102	39.9	2.9	-4.4	3.2	6.3	20.2
Basic inorganic chemicals <sup>2</sup> .....	06	13	22.9	1.9	3.9	2.8	1.3	2.6
Basic organic chemicals.....	06	14	22.4	-2.0	-0.8	1.6	2.3	1.7
Prepared paint <sup>2</sup> .....	06	21	26.0	0.9	6.3	0.7	1.0	5.2
Paint materials <sup>2</sup> .....	06	22	17.5	-1.2	2.0	1.8	0.2	3.5
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	2.2	0.2	1.7	0.0	0.0	0.2
Biological products, including diagnostics.....	06	37	5.7	2.0	0.2	0.1	-0.2	0.9
Fats and oils, inedible <sup>2</sup> .....	06	4	28.6	-6.6	0.8	7.6	9.4	0.2
Nitrogenates.....	06	5201	115.8	13.7	2.4	2.6	6.7	3.0
Phosphates.....	06	5202	62.4	4.8	-1.0	-0.6	6.7	3.0
Other agricultural chemicals <sup>2</sup> .....	06	53	15.0	0.1	4.1	0.4	0.0	0.3
Plastic resins and materials.....	06	6	9.5	-1.3	-2.6	-0.3	-1.2	5.3
Industrial gases <sup>2</sup> .....	06	7903	21.4	3.1	0.1	1.9	3.2	0.0
Adhesives and sealants <sup>2</sup> .....	06	7904	20.4	2.0	3.0	3.0	1.0	2.2
Synthetic rubber <sup>2</sup> .....	07	1102	21.4	-3.2	0.6	-0.2	0.9	4.8
Tires <sup>2</sup> .....	07	1201	16.7	0.4	3.6	1.1	0.1	4.4
Plastic construction products <sup>2</sup> .....	07	21	29.9	2.0	1.9	1.0	1.4	1.2
Unsupported plastic film, sheet, other shapes <sup>2</sup> .....	07	22	18.4	-0.2	0.2	0.3	1.4	0.5
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	13.6	1.5	0.8	0.2	0.7	0.6
Plastic packaging products <sup>2</sup> .....	07	2A	18.5	0.5	1.0	-0.3	0.4	0.8
Softwood lumber.....	08	11	-5.5	22.1	26.3	2.5	5.4	-15.6
Hardwood lumber <sup>2</sup> .....	08	12	12.5	0.6	-2.8	2.8	0.1	0.2
Millwork.....	08	2	20.4	2.2	4.5	2.0	0.9	1.9
Plywood <sup>2</sup> .....	08	3	4.8	2.6	18.1	7.9	4.3	0.5
Paper <sup>2</sup> .....	09	13	14.9	0.5	0.9	0.6	0.8	1.5
Paperboard <sup>2</sup> .....	09	14	21.7	0.7	0.5	1.5	1.6	1.9
Paper boxes and containers <sup>2</sup> .....	09	1503	18.3	0.5	1.8	1.7	0.4	2.2
Building paper and board <sup>2</sup> .....	09	2	28.2	3.1	14.2	18.2	13.9	-5.6
Commercial printing <sup>2</sup> .....	09	47	15.7	0.6	1.3	1.9	2.2	1.5
Foundry and forge shop products <sup>2</sup> .....	10	15	15.9	1.3	2.5	1.4	1.0	3.0
Steel mill products <sup>2</sup> .....	10	17	25.1	0.2	-1.5	-9.5	-5.5	2.4
Primary nonferrous metals <sup>2</sup> .....	10	22	28.6	0.5	5.0	5.0	1.9	0.1
Secondary nonferrous metals <sup>2</sup> .....	10	24	25.2	0.5	2.8	3.8	3.6	4.5
Aluminum mill shapes <sup>2</sup> .....	10	2501	44.8	-5.7	4.0	6.8	6.2	6.2
Copper and brass mill shapes <sup>2</sup> .....	10	2502	16.8	-3.0	3.1	0.7	2.2	2.4
Nonferrous wire and cable <sup>2</sup> .....	10	26	22.6	-1.6	0.5	1.9	3.6	1.3
Nonferrous foundry shop products.....	10	28	16.5	0.6	1.5	1.2	0.7	3.9
Metal containers <sup>2</sup> .....	10	3	32.4	2.2	10.6	2.0	-0.5	5.0
Hardware <sup>2</sup> .....	10	4	17.2	0.3	0.8	0.9	0.7	0.1
Plumbing fixtures and brass fittings.....	10	5	10.0	1.0	5.2	-1.0	0.5	0.9
Heating equipment <sup>2</sup> .....	10	6	19.6	3.0	2.5	1.4	0.7	0.8
Fabricated structural metal products.....	10	7	34.7	1.9	0.8	1.5	0.6	2.0
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	18.3	0.7	3.0	1.3	0.2	2.5
Lighting fixtures <sup>2</sup> .....	10	83	10.2	0.8	1.2	0.5	1.4	1.1
Fabricated ferrous wire products <sup>2</sup> .....	10	88	39.0	2.7	1.3	2.2	3.9	4.1
Other miscellaneous metal products <sup>2</sup> .....	10	89	14.6	1.3	1.1	0.9	1.7	0.7
Fluid power equipment.....	11	43	14.6	2.0	2.3	0.9	0.6	2.2
Mechanical power transmission equipment <sup>2</sup> .....	11	45	13.9	0.6	2.9	0.2	1.8	1.2
Air conditioning and refrigeration equipment <sup>2</sup> .....	11	48	25.4	1.4	4.3	2.1	1.9	2.6
Metal valves, except fluid power.....	11	4902	11.5	1.4	1.4	1.4	0.8	1.3
Ball and roller bearings <sup>2</sup> .....	11	4905	8.8	-0.4	0.3	1.5	1.7	0.0
Wiring devices <sup>2</sup> .....	11	71	26.3	2.0	2.4	1.0	0.3	1.8
Motors, generators, motor generator sets <sup>2</sup> .....	11	73	15.7	0.1	2.9	2.8	0.4	1.0
Switchgear, switchboard, and industrial controls equip. <sup>2</sup> .....	11	75	17.9	1.6	2.7	3.8	2.9	0.2
Electronic components and accessories.....	11	78	4.8	0.3	1.1	0.0	0.5	1.1
Internal combustion engines <sup>2</sup> .....	11	94	5.8	0.0	2.6	0.0	0.0	1.5
Machine shop products <sup>2</sup> .....	11	95	5.6	0.8	0.2	0.1	0.1	1.0
Flat glass <sup>2</sup> .....	13	11	9.8	1.0	2.0	1.2	-1.0	0.6
Cement.....	13	22	6.2	0.4	3.2	0.9	0.4	-1.0
Concrete products.....	13	3	10.9	0.7	1.4	1.1	0.4	1.8
Asphalt felts and coatings <sup>2</sup> .....	13	6	20.2	1.2	1.0	2.4	1.4	1.2
Paving mixtures and blocks.....	13	94	14.4	1.3	1.7	1.1	1.4	2.3
Motor vehicle parts <sup>2</sup> .....	14	12	4.7	0.2	0.7	0.2	0.2	0.5
Aircraft engines and engine parts.....	14	23	2.6	0.5	-0.3	0.2	1.2	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**  
 [April 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		Apr. 2021 to Apr. 2022 <sup>P</sup>	Nov. to Dec.	Dec. to Jan. <sup>P</sup>	Jan. to Feb. <sup>P</sup>	Feb. to Mar. <sup>P</sup>
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	1.8	0.2	0.7	-0.1	0.0	-0.1
Medical, surgical, and personal aid devices.....	15	6	3.4	-0.2	1.6	0.6	0.5	0.3
Unprocessed goods for intermediate demand.....	ID6	2	48.1	-4.8	2.9	10.0	1.8	5.3
Unprocessed foodstuffs and feedstuffs.....	ID6	21	34.8	3.8	2.7	5.6	7.6	2.5
Wheat <sup>2</sup> .....	01	21	84.8	3.1	-3.2	1.3	24.3	4.3
Corn.....	01	2202	31.9	3.2	1.6	1.8	14.5	3.5
Slaughter cattle.....	01	31	16.8	2.9	-1.4	3.3	-0.4	1.2
Slaughter hogs.....	01	32	-2.6	-0.1	-7.0	30.7	-2.4	2.9
Slaughter chickens.....	01	4102	78.4	11.8	1.6	0.6	19.0	5.4
Slaughter turkeys.....	01	42	21.9	4.1	3.4	0.1	0.4	4.9
Raw milk.....	01	6	32.5	7.4	17.5	4.2	5.0	-6.3
Alfalfa hay <sup>2</sup> .....	01	81	56.1	-0.4	8.4	8.7	4.3	-11.5
Oilseeds.....	01	8301	19.2	0.5	8.7	9.3	5.6	1.3
Raw cane sugar and byproducts <sup>2</sup> .....	02	5201	15.7	1.5	-2.6	6.2	0.8	1.3
Unprocessed nonfood materials.....	ID6	22	56.7	-8.5	3.0	12.1	-0.8	6.6
Raw cotton <sup>2</sup> .....	01	51	71.3	-9.3	8.0	4.7	-1.5	12.9
Hides and skins.....	04	1	-31.1	-7.1	-4.9	9.5	-8.8	4.2
Coal.....	05	1	43.5	0.7	17.0	0.0	3.0	17.4
Natural gas <sup>2</sup> .....	05	31	107.4	-14.5	-8.0	29.5	-23.4	16.9
Crude petroleum <sup>2</sup> .....	05	61	75.2	-11.6	15.0	12.4	9.0	4.5
Logs, bolts, timber, pulpwood, and woodchips <sup>2</sup> .....	08	5	4.9	0.4	2.5	0.3	0.4	0.1
Recyclable paper <sup>2</sup> .....	09	12	52.5	-7.3	-6.1	-0.8	2.4	3.1
Iron ores.....	10	11	23.1	-0.4	0.3	1.5	3.4	-3.7
Iron and steel scrap <sup>2</sup> .....	10	12	31.5	-1.8	-9.2	-1.3	29.6	-3.2
Nonferrous metal ores <sup>2</sup> .....	10	21	21.2	-3.4	7.7	-0.1	6.4	-0.4
Copper base scrap <sup>2</sup> .....	10	2301	13.5	-0.6	2.7	1.4	1.6	2.5
Aluminum base scrap.....	10	2302	40.8	-1.2	-0.1	0.4	3.8	0.1
Construction sand, gravel, and crushed stone.....	13	21	8.9	0.0	2.6	1.1	0.9	0.6
Services for intermediate demand.....	ID6	3	7.5	0.8	0.7	0.2	1.1	0.7
Trade services for intermediate demand <sup>3</sup> .....	ID6	33	14.6	1.5	1.4	1.3	3.4	-0.1
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	12.6	3.3	2.0	1.7	0.1	-0.4
Building materials, paint, and hardware wholesaling.....	57	3	25.0	0.4	3.3	2.2	2.3	-1.6
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	9.3	2.3	-2.7	-6.1	3.1	-0.2
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	3.5	1.1	-4.2	0.9	0.3	-0.1
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	25.0	-2.2	3.0	0.4	6.2	2.3
Food wholesaling <sup>2</sup> .....	57	8101	9.9	1.7	1.0	3.0	1.9	-0.9
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	10.2	1.1	-0.3	0.6	1.8	1.4
Hardware, building material, and supplies retailing.....	58	D	22.5	1.0	10.9	9.1	10.7	-0.3
Transportation and warehousing services for intermediate demand.....	ID6	32	16.7	1.6	0.5	0.5	2.1	2.5
Rail transportation of freight and mail <sup>2</sup> .....	30	11	9.7	0.4	0.9	0.3	0.7	2.6
Truck transportation of freight <sup>2</sup> .....	30	12	27.4	0.8	2.1	2.0	5.1	4.4
Water transportation of freight <sup>2</sup> .....	30	13	21.2	1.9	0.9	1.1	-0.6	5.7
Air transportation of freight <sup>2</sup> .....	30	14	12.8	1.7	-0.2	-2.8	1.2	3.5
Pipeline transportation of petroleum products.....	30	1501	0.4	0.3	-0.1	0.2	0.4	-0.4
U.S. Postal Service.....	30	1601	5.5	0.2	-0.6	-1.9	0.2	0.2
Courier and messenger services, except air mail.....	30	1602	10.3	0.3	2.4	0.7	1.1	1.2
Air mail and package delivery services, excluding by USPS.....	30	1603	20.8	-0.6	3.5	2.4	2.6	4.2
Transportation of passengers (partial).....	30	2	21.3	4.3	-5.2	3.4	11.0	2.8
Services related to water transportation.....	31	1	5.1	0.8	0.4	0.5	0.1	1.6
Arrangement of freight and cargo <sup>2</sup> .....	31	31	50.3	6.6	-2.4	2.7	-1.1	-2.4
Warehousing, storage, and related services <sup>2</sup> .....	32	1	15.1	3.4	6.0	-3.6	0.0	4.5
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	3.5	0.5	0.6	-0.2	0.0	0.6
Network compensation from broadcast TV, cable TV, radio <sup>2</sup> .....	35	-	2.5	0.0	3.0	0.0	0.0	0.0
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	-1.1	0.1	1.5	-2.4	1.8	-1.2
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	-3.3	3.3	1.1	-1.8	1.2	2.4
Radio advertising time sales.....	36	3	4.0	-0.6	-13.0	9.3	1.6	-2.0
Internet advertising space sales, excluding Internet ads sold by print publishers <sup>2</sup> .....	36	5	8.9	1.0	3.8	-1.2	4.4	0.6
Business wired telecommunication services <sup>2</sup> .....	37	12	0.4	0.1	-0.1	0.0	0.0	0.0
Wireless telecommunication services.....	37	2	0.5	-0.1	-0.2	0.5	-0.1	-0.1
Cable and satellite subscriber services.....	37	3	2.5	0.2	1.7	-0.2	0.3	0.1
Bundled wired telecommunication access services <sup>2</sup> .....	37	5	3.6	0.8	0.2	0.0	0.1	0.0
Data processing and related services <sup>2</sup> .....	38	1	0.8	0.0	-0.4	0.1	0.0	0.8
Business loans (partial).....	39	11	10.9	2.0	-0.7	-2.2	1.8	3.2

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**  
 [April 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		Apr. 2021 to Apr. 2022 <sup>P</sup>	Nov. to Dec.	Dec. to Jan. <sup>P</sup>	Jan. to Feb. <sup>P</sup>	Feb. to Mar. <sup>P</sup>
Deposit services (partial) <sup>2</sup> .....	39	2	-6.3	-3.6	1.1	-0.6	-5.1	-1.2
Other credit intermediation, incl. trust services (partial) <sup>2</sup> .....	39	3	-0.8	0.4	0.3	1.2	-0.3	0.1
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	-0.8	-1.2	-0.5	1.6	-4.5	-0.2
Portfolio management <sup>2</sup> .....	40	2	-1.7	-0.3	2.0	-3.8	-1.3	-1.8
Investment banking <sup>2</sup> .....	40	3	3.6	1.9	0.1	1.1	-4.2	-1.9
Life insurance <sup>2</sup> .....	41	1101	3.1	0.0	1.8	1.0	0.2	0.1
Health and medical insurance.....	41	1103	1.4	0.5	-0.5	-0.2	0.1	0.1
Property and casualty insurance <sup>2</sup> .....	41	1104	1.0	0.0	0.1	0.4	0.1	0.0
Annuities <sup>2</sup> .....	41	2	-1.9	0.0	-0.4	-0.1	-0.1	-0.3
Commissions from sales of insurance <sup>2</sup> .....	42	1	0.3	-0.1	0.0	0.0	0.0	0.0
Nonresidential real estate rents <sup>2</sup> .....	43	11	5.8	1.0	1.3	-2.1	-0.7	4.3
Nonresidential property sales and leases <sup>2</sup> .....	43	12	7.3	0.7	1.6	-0.2	-0.1	0.0
Residential property management fees <sup>2</sup> .....	43	22	6.8	1.2	0.0	0.9	0.2	0.7
Passenger car rental.....	44	1	10.6	0.5	-5.7	-2.2	7.9	9.4
Truck, utility trailer, and RV rental and leasing <sup>2</sup> .....	44	2	7.7	0.0	-0.6	-0.8	1.8	3.6
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	1.5	-0.1	-0.2	0.6	-0.1	0.1
Legal services.....	45	1	4.2	0.4	1.0	0.3	0.4	-0.2
Accounting services (partial).....	45	2	1.9	0.1	-0.3	0.6	1.0	-0.1
Architectural and engineering services.....	45	3	4.2	0.0	2.4	0.0	0.2	0.3
Management, scientific, and technical consulting services.....	45	4	1.3	0.4	0.3	-0.4	0.2	0.0
Advertising and related services (partial) <sup>2</sup> .....	45	5	7.8	1.6	2.3	1.2	-0.1	0.2
Permanent placement services <sup>2</sup> .....	46	1	6.0	2.4	0.5	-0.7	0.2	0.1
Executive search services <sup>2</sup> .....	46	2	-2.6	-0.1	-3.5	3.8	-1.5	-0.5
Staffing services.....	46	3	5.7	0.8	0.9	0.3	0.7	0.6
Security guard services <sup>2</sup> .....	48	1	5.7	0.5	1.1	0.1	0.1	0.8
Janitorial services <sup>2</sup> .....	49	1	9.1	2.5	1.6	1.1	0.0	1.1
Waste collection.....	50	1	2.5	0.5	0.2	0.8	-1.0	0.0
Traveler accommodation services.....	53	11	26.2	5.2	-2.3	-2.7	11.6	-3.1
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.7	0.2	1.2	3.1	0.6	0.3
Aircraft repair and maintenance.....	55	4	5.2	0.2	0.2	0.0	0.4	0.1
Metal treatment services <sup>2</sup> .....	59	1	12.1	1.0	-0.7	1.0	1.9	1.8
Construction for intermediate demand.....	ID6	4	15.3	0.0	2.2	1.0	1.2	2.4
Maintenance and repair of non-residential buildings (partial) <sup>2</sup> .....	80	2	15.3	0.0	2.2	1.0	1.2	2.4
<b>Intermediate Demand by Production Flow</b>								
Stage 4 intermediate demand.....	ID5	4	11.7	0.7	1.5	0.6	1.0	0.9
Stage 4 intermediate demand goods.....	ID5	9411	17.0	0.5	2.0	1.2	1.5	1.3
Grains.....	01	2	41.3	3.2	0.4	1.9	16.0	3.8
Meats.....	02	21	5.1	-2.8	2.8	-0.7	-2.1	-0.5
Unprocessed and packaged fish.....	02	23	25.1	1.8	-13.3	2.2	1.1	5.1
Dairy products.....	02	3	20.4	2.5	5.1	3.7	3.3	2.8
Commercial electric power.....	05	42	9.4	-1.1	5.0	-2.5	3.0	0.1
Industrial electric power.....	05	43	11.0	-1.0	3.4	1.8	-0.3	-0.1
Gasoline.....	05	71	55.0	-1.8	3.3	14.4	5.7	-3.2
No. 2 diesel fuel.....	05	7303	86.5	-3.3	9.9	14.2	21.4	8.1
Basic organic chemicals.....	06	14	22.4	-2.0	-0.8	1.6	2.3	1.7
Prepared paint <sup>2</sup> .....	06	21	26.0	0.9	6.3	0.7	1.0	5.2
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	2.2	0.2	1.7	0.0	0.0	0.2
Biological products, including diagnostics.....	06	37	5.7	2.0	0.2	0.1	-0.2	0.9
Pharmaceutical preparations.....	06	38	1.6	0.1	-0.4	0.5	0.3	0.2
Plastic construction products <sup>2</sup> .....	07	21	29.9	2.0	1.9	1.0	1.4	1.2
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	18.4	-0.2	0.2	0.3	1.4	0.5
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	13.6	1.5	0.8	0.2	0.7	0.6
Plastic packaging products <sup>2</sup> .....	07	2A	18.5	0.5	1.0	-0.3	0.4	0.8
Lumber.....	08	1	-1.2	14.6	17.4	2.6	4.1	-11.8
Millwork.....	08	2	20.4	2.2	4.5	2.0	0.9	1.9
Paper boxes and containers <sup>2</sup> .....	09	1503	18.3	0.5	1.8	1.7	0.4	2.2
Commercial printing <sup>2</sup> .....	09	47	15.7	0.6	1.3	1.9	2.2	1.5
Steel mill products <sup>2</sup> .....	10	17	25.1	0.2	-1.5	-9.5	-5.5	2.4
Nonferrous wire and cable <sup>2</sup> .....	10	26	22.6	-1.6	0.5	1.9	3.6	1.3
Fabricated structural metal products.....	10	7	34.7	1.9	0.8	1.5	0.6	2.0
Other miscellaneous metal products <sup>2</sup> .....	10	89	14.6	1.3	1.1	0.9	1.7	0.7
Air conditioning and refrigeration equipment <sup>2</sup> .....	11	48	25.4	1.4	4.3	2.1	1.9	2.6
Wiring devices <sup>2</sup> .....	11	71	26.3	2.0	2.4	1.0	0.3	1.8

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**  
[April 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		Apr. 2021 to Apr. 2022 <sup>P</sup>	Nov. to Dec.	Dec. to Jan. <sup>P</sup>	Jan. to Feb. <sup>P</sup>	Feb. to Mar. <sup>P</sup>
Electronic components and accessories.....	11	78	4.8	0.3	1.1	0.0	0.5	1.1
Miscellaneous electrical machinery and equipment <sup>2</sup> .....	11	79	4.4	0.1	1.3	0.6	0.5	-0.1
Internal combustion engines <sup>2</sup> .....	11	94	5.8	0.0	2.6	0.0	0.0	1.5
Machine shop products <sup>2</sup> .....	11	95	5.6	0.8	0.2	0.1	0.1	1.0
Concrete ingredients and related products.....	13	2	8.2	0.1	2.8	1.0	0.8	0.2
Concrete products.....	13	3	10.9	0.7	1.4	1.1	0.4	1.8
Prepared asphalt, tar roofing and siding products <sup>2</sup> .....	13	61	20.8	1.3	0.7	2.4	1.5	0.9
Paving mixtures and blocks.....	13	94	14.4	1.3	1.7	1.1	1.4	2.3
Motor vehicle parts <sup>2</sup> .....	14	12	4.7	0.2	0.7	0.2	0.2	0.5
Aircraft engines and engine parts.....	14	23	2.6	0.5	-0.3	0.2	1.2	0.3
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	1.8	0.2	0.7	-0.1	0.0	-0.1
Medical, surgical and personal aid devices.....	15	6	3.4	-0.2	1.6	0.6	0.5	0.3
Stage 4 intermediate demand services.....	ID5	9412	7.0	0.8	1.0	0.0	0.5	0.5
Truck transportation of freight <sup>2</sup> .....	30	12	27.4	0.8	2.1	2.0	5.1	4.4
Courier, messenger, and U.S. postal services.....	30	16	10.0	0.1	1.3	-0.1	1.0	1.3
Airline passenger services.....	30	22	21.6	4.3	-5.3	3.5	11.1	2.9
Warehousing, storage, and related services <sup>2</sup> .....	32	1	15.1	3.4	6.0	-3.6	0.0	4.5
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	-1.1	0.1	1.5	-2.4	1.8	-1.2
Data processing and related services <sup>2</sup> .....	38	1	0.8	0.0	-0.4	0.1	0.0	0.8
Business loans (partial).....	39	11	10.9	2.0	-0.7	-2.2	1.8	3.2
Deposit services (partial) <sup>2</sup> .....	39	2	-6.3	-3.6	1.1	-0.6	-5.1	-1.2
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	-0.8	-1.2	-0.5	1.6	-4.5	-0.2
Portfolio management <sup>2</sup> .....	40	2	-1.7	-0.3	2.0	-3.8	-1.3	-1.8
Investment banking <sup>2</sup> .....	40	3	3.6	1.9	0.1	1.1	-4.2	-1.9
Insurance.....	41	11	1.4	0.1	0.2	0.3	0.2	0.1
Annuities <sup>2</sup> .....	41	2	-1.9	0.0	-0.4	-0.1	-0.1	-0.3
Nonresidential real estate rents <sup>2</sup> .....	43	11	5.8	1.0	1.3	-2.1	-0.7	4.3
Nonresidential property sales and leases <sup>2</sup> .....	43	12	7.3	0.7	1.6	-0.2	-0.1	0.0
Nonresidential property management fees <sup>2</sup> .....	43	13	4.2	0.2	1.2	2.5	0.0	-1.1
Residential property management fees <sup>2</sup> .....	43	22	6.8	1.2	0.0	0.9	0.2	0.7
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	1.5	-0.1	-0.2	0.6	-0.1	0.1
Legal services.....	45	1	4.2	0.4	1.0	0.3	0.4	-0.2
Advertising agency services <sup>2</sup> .....	45	51	7.8	1.6	2.3	1.2	-0.1	0.2
Accounting services (partial).....	45	2	1.9	0.1	-0.3	0.6	1.0	-0.1
Architectural and engineering services.....	45	3	4.2	0.0	2.4	0.0	0.2	0.3
Management, scientific, and technical consulting services.....	45	4	1.3	0.4	0.3	-0.4	0.2	0.0
Staffing services.....	46	3	5.7	0.8	0.9	0.3	0.7	0.6
Janitorial services <sup>2</sup> .....	49	1	9.1	2.5	1.6	1.1	0.0	1.1
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.7	0.2	1.2	3.1	0.6	0.3
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	12.6	3.3	2.0	1.7	0.1	-0.4
Building materials, paint, and hardware wholesaling.....	57	3	25.0	0.4	3.3	2.2	2.3	-1.6
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	9.3	2.3	-2.7	-6.1	3.1	-0.2
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	3.5	1.1	-4.2	0.9	0.3	-0.1
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	25.0	-2.2	3.0	0.4	6.2	2.3
Food and alcohol wholesaling <sup>2</sup> .....	57	8	9.6	1.6	0.9	2.7	1.6	-0.7
Hardware and building materials and supplies retailing.....	58	D	22.5	1.0	10.9	9.1	10.7	-0.3
Metal treatment services <sup>2</sup> .....	59	1	12.1	1.0	-0.7	1.0	1.9	1.8
Stage 3 intermediate demand.....	ID5	3	19.1	0.8	1.6	1.4	2.9	2.2
Stage 3 intermediate demand goods.....	ID5	9311	30.1	0.7	2.6	2.6	4.4	3.4
Slaughter cattle.....	01	31	16.8	2.9	-1.4	3.3	-0.4	1.2
Slaughter hogs.....	01	32	-2.6	-0.1	-7.0	30.7	-2.4	2.9
Slaughter poultry.....	01	4	67.2	10.3	1.9	0.5	15.7	5.2
Raw milk.....	01	6	32.5	7.4	17.5	4.2	5.0	-6.3
Commercial electric power.....	05	42	9.4	-1.1	5.0	-2.5	3.0	0.1
Industrial electric power.....	05	43	11.0	-1.0	3.4	1.8	-0.3	-0.1
Gasoline.....	05	71	55.0	-1.8	3.3	14.4	5.7	-3.2
Jet fuel <sup>2</sup> .....	05	7203	127.5	-9.9	13.1	13.5	23.5	14.8
No. 2 diesel fuel.....	05	7303	86.5	-3.3	9.9	14.2	21.4	8.1
Finished lubricants <sup>2</sup> .....	05	76	15.1	0.2	0.8	0.4	0.0	5.0
Lubricating oil base stocks <sup>2</sup> .....	05	78	44.0	0.4	1.7	0.2	3.0	11.7
Asphalt.....	05	8102	39.9	2.9	-4.4	3.2	6.3	20.2
Basic inorganic chemicals <sup>2</sup> .....	06	13	22.9	1.9	3.9	2.8	1.3	2.6
Basic organic chemicals.....	06	14	22.4	-2.0	-0.8	1.6	2.3	1.7
Paints and allied products <sup>2</sup> .....	06	2	23.9	0.5	5.2	0.9	0.8	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**  
 [April 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		Apr. 2021 to Apr. 2022 <sup>P</sup>	Nov. to Dec.	Dec. to Jan. <sup>P</sup>	Jan. to Feb. <sup>P</sup>	Feb. to Mar. <sup>P</sup>
Agricultural chemicals and chemical products.....	06	5	50.2	5.0	2.4	1.3	3.8	1.9
Plastic resins and materials.....	06	6	9.5	-1.3	-2.6	-0.3	-1.2	5.3
Synthetic rubber <sup>2</sup> .....	07	1102	21.4	-3.2	0.6	-0.2	0.9	4.8
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	18.4	-0.2	0.2	0.3	1.4	0.5
Paper <sup>2</sup> .....	09	13	14.9	0.5	0.9	0.6	0.8	1.5
Paperboard <sup>2</sup> .....	09	14	21.7	0.7	0.5	1.5	1.6	1.9
Converted paper and paperboard products <sup>2</sup> .....	09	15	14.3	0.5	1.3	1.3	0.6	1.5
Commercial printing <sup>2</sup> .....	09	47	15.7	0.6	1.3	1.9	2.2	1.5
Foundry and forge shop products <sup>2</sup> .....	10	15	15.9	1.3	2.5	1.4	1.0	3.0
Steel mill products <sup>2</sup> .....	10	17	25.1	0.2	-1.5	-9.5	-5.5	2.4
Nonferrous mill shapes <sup>2</sup> .....	10	25	32.0	-4.0	3.8	4.1	4.2	4.8
Nonferrous foundry shop products.....	10	28	16.5	0.6	1.5	1.2	0.7	3.9
Metal containers <sup>2</sup> .....	10	3	32.4	2.2	10.6	2.0	-0.5	5.0
Structural, architectural, and pre-engineered metal products.....	10	74	44.6	2.1	0.2	1.7	1.0	2.9
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	18.3	0.7	3.0	1.3	0.2	2.5
Other miscellaneous metal products <sup>2</sup> .....	10	89	14.6	1.3	1.1	0.9	1.7	0.7
General purpose machinery and equipment.....	11	4	15.9	1.3	2.0	1.5	1.0	1.9
Electrical machinery and equipment.....	11	7	7.8	0.5	1.2	0.6	0.7	0.6
Construction sand, gravel, and crushed stone.....	13	21	8.9	0.0	2.6	1.1	0.9	0.6
Cement.....	13	22	6.2	0.4	3.2	0.9	0.4	-1.0
Motor vehicle parts <sup>2</sup> .....	14	12	4.7	0.2	0.7	0.2	0.2	0.5
Aircraft and aircraft equipment.....	14	2	3.3	0.3	0.3	0.2	1.1	0.3
Stage 3 intermediate demand services.....	ID5	9312	8.5	0.9	0.6	0.1	1.2	0.9
Rail transportation of freight and mail <sup>2</sup> .....	30	11	9.7	0.4	0.9	0.3	0.7	2.6
Courier, messenger, and U.S. postal services.....	30	16	10.0	0.1	1.3	-0.1	1.0	1.3
Arrangement of freight and cargo <sup>2</sup> .....	31	31	50.3	6.6	-2.4	2.7	-1.1	-2.4
Freight forwarding <sup>2</sup> .....	31	3201	20.5	1.1	-0.3	-1.4	1.7	10.8
Warehousing, storage, and related services <sup>2</sup> .....	32	1	15.1	3.4	6.0	-3.6	0.0	4.5
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-0.9	0.1	1.2	-2.0	1.5	-1.0
Wired telephone services <sup>2</sup> .....	37	1	0.6	0.0	0.1	0.0	0.0	0.0
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	3.6	0.8	0.2	0.0	0.1	0.0
Data processing and related services <sup>2</sup> .....	38	1	0.8	0.0	-0.4	0.1	0.0	0.8
Business loans (partial).....	39	11	10.9	2.0	-0.7	-2.2	1.8	3.2
Deposit services (partial) <sup>2</sup> .....	39	2	-6.3	-3.6	1.1	-0.6	-5.1	-1.2
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	-0.8	-1.2	-0.5	1.6	-4.5	-0.2
Insurance.....	41	11	1.4	0.1	0.2	0.3	0.2	0.1
Nonresidential real estate rents <sup>2</sup> .....	43	11	5.8	1.0	1.3	-2.1	-0.7	4.3
Legal services.....	45	1	4.2	0.4	1.0	0.3	0.4	-0.2
Accounting services (partial).....	45	2	1.9	0.1	-0.3	0.6	1.0	-0.1
Architectural and engineering services.....	45	3	4.2	0.0	2.4	0.0	0.2	0.3
Management, scientific, and technical consulting services.....	45	4	1.3	0.4	0.3	-0.4	0.2	0.0
Advertising agency services <sup>2</sup> .....	45	51	7.8	1.6	2.3	1.2	-0.1	0.2
Staffing services.....	46	3	5.7	0.8	0.9	0.3	0.7	0.6
Aircraft repair maintenance.....	55	4	5.2	0.2	0.2	0.0	0.4	0.1
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	12.6	3.3	2.0	1.7	0.1	-0.4
Building materials, paint, and hardware wholesaling.....	57	3	25.0	0.4	3.3	2.2	2.3	-1.6
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	9.3	2.3	-2.7	-6.1	3.1	-0.2
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	3.5	1.1	-4.2	0.9	0.3	-0.1
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	25.0	-2.2	3.0	0.4	6.2	2.3
Food wholesaling <sup>2</sup> .....	57	8101	9.9	1.7	1.0	3.0	1.9	-0.9
Metal treatment services <sup>2</sup> .....	59	1	12.1	1.0	-0.7	1.0	1.9	1.8
Stage 2 intermediate demand.....	ID5	2	23.5	-2.2	1.3	4.3	0.2	2.8
Stage 2 intermediate demand goods.....	ID5	9211	43.0	-5.6	2.6	8.5	-0.8	4.9
Corn.....	01	2202	31.9	3.2	1.6	1.8	14.5	3.5
Oilseeds.....	01	83	19.2	0.5	8.7	9.3	5.6	1.3
Prepared animal feeds <sup>2</sup> .....	02	9	13.9	0.3	2.9	2.8	3.2	1.6
Coal.....	05	1	43.5	0.7	17.0	0.0	3.0	17.4
Natural gas <sup>2</sup> .....	05	31	107.4	-14.5	-8.0	29.5	-23.4	16.9
Liquefied petroleum gas <sup>2</sup> .....	05	32	102.6	-15.5	16.8	7.9	12.9	-1.8
Crude petroleum <sup>2</sup> .....	05	61	75.2	-11.6	15.0	12.4	9.0	4.5
No. 2 diesel fuel.....	05	7303	86.5	-3.3	9.9	14.2	21.4	8.1
Industrial chemicals.....	06	1	22.5	-1.5	-0.2	1.7	2.1	1.8
Plastic resins and materials.....	06	6	9.5	-1.3	-2.6	-0.3	-1.2	5.3
Plastic products <sup>2</sup> .....	07	2	20.5	1.4	1.0	0.9	1.0	0.9
Logs, bolts, timber, pulpwood, and wood chips <sup>2</sup> .....	08	5	4.9	0.4	2.5	0.3	0.4	0.1

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**  
 [April 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		Apr. 2021 to Apr. 2022 <sup>P</sup>	Nov. to Dec.	Dec. to Jan. <sup>P</sup>	Jan. to Feb. <sup>P</sup>	Feb. to Mar. <sup>P</sup>
Paper <sup>2</sup> .....	09	13	14.9	0.5	0.9	0.6	0.8	1.5
Paperboard, excluding corrugated paperboard <sup>2</sup> .....	09	1411	23.1	0.7	0.7	1.6	1.7	2.3
Commercial printing <sup>2</sup> .....	09	47	15.7	0.6	1.3	1.9	2.2	1.5
Iron and steel scrap <sup>2</sup> .....	10	12	31.5	-1.8	-9.2	-1.3	29.6	-3.2
Steel mill products <sup>2</sup> .....	10	17	25.1	0.2	-1.5	-9.5	-5.5	2.4
Nonferrous mill shapes <sup>2</sup> .....	10	25	32.0	-4.0	3.8	4.1	4.2	4.8
Electrical machinery and equipment.....	11	7	7.8	0.5	1.2	0.6	0.7	0.6
Electronic components and accessories.....	11	78	4.8	0.3	1.1	0.0	0.5	1.1
Stage 2 intermediate demand services.....	ID5	9212	7.7	1.2	0.1	0.3	1.3	0.6
Rail transportation of freight and mail <sup>2</sup> .....	30	11	9.7	0.4	0.9	0.3	0.7	2.6
Truck transportation of freight <sup>2</sup> .....	30	12	27.4	0.8	2.1	2.0	5.1	4.4
Pipeline transportation of petroleum products.....	30	1501	0.4	0.3	-0.1	0.2	0.4	-0.4
U.S. Postal Service.....	30	1601	5.5	0.2	-0.6	-1.9	0.2	0.2
Courier and messenger services, except air.....	30	1602	10.3	0.3	2.4	0.7	1.1	1.2
Air mail and package delivery services, excluding by USPS.....	30	1603	20.8	-0.6	3.5	2.4	2.6	4.2
Airline passenger services.....	30	22	21.6	4.3	-5.3	3.5	11.1	2.9
Arrangement of freight and cargo <sup>2</sup> .....	31	31	50.3	6.6	-2.4	2.7	-1.1	-2.4
Television advertising time sales.....	36	21	-3.3	3.3	1.1	-1.8	1.2	2.4
Wireless telecommunication services.....	37	2	0.5	-0.1	-0.2	0.5	-0.1	-0.1
Data processing and related services <sup>2</sup> .....	38	1	0.8	0.0	-0.4	0.1	0.0	0.8
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	-0.8	-1.2	-0.5	1.6	-4.5	-0.2
Portfolio management <sup>2</sup> .....	40	2	-1.7	-0.3	2.0	-3.8	-1.3	-1.8
Investment banking <sup>2</sup> .....	40	31	3.6	1.9	0.1	1.1	-4.2	-1.9
Insurance.....	41	11	1.4	0.1	0.2	0.3	0.2	0.1
Commissions from sales of insurance <sup>2</sup> .....	42	11	0.3	-0.1	0.0	0.0	0.0	0.0
Legal services.....	45	1	4.2	0.4	1.0	0.3	0.4	-0.2
Accounting services (partial).....	45	2	1.9	0.1	-0.3	0.6	1.0	-0.1
Management, scientific, and technical consulting services.....	45	4	1.3	0.4	0.3	-0.4	0.2	0.0
Advertising agency services <sup>2</sup> .....	45	51	7.8	1.6	2.3	1.2	-0.1	0.2
Staffing services.....	46	3	5.7	0.8	0.9	0.3	0.7	0.6
Security guard services <sup>2</sup> .....	48	1	5.7	0.5	1.1	0.1	0.1	0.8
Janitorial services <sup>2</sup> .....	49	1	9.1	2.5	1.6	1.1	0.0	1.1
Traveler accommodation services.....	53	1	26.2	5.2	-2.3	-2.7	11.6	-3.1
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.7	0.2	1.2	3.1	0.6	0.3
Hardware and building materials and supplies retailing.....	58	D	22.5	1.0	10.9	9.1	10.7	-0.3
Stage 1 intermediate demand.....	ID5	1	16.8	0.4	1.4	1.0	2.5	1.6
Stage 1 intermediate demand goods.....	ID5	9111	25.2	0.0	1.7	1.6	3.2	2.5
Prepared animal feeds <sup>2</sup> .....	02	9	13.9	0.3	2.9	2.8	3.2	1.6
Commercial electric power.....	05	42	9.4	-1.1	5.0	-2.5	3.0	0.1
Industrial electric power.....	05	43	11.0	-1.0	3.4	1.8	-0.3	-0.1
Commercial natural gas.....	05	52	28.4	-1.0	0.0	0.9	-0.4	6.2
Industrial natural gas.....	05	53	29.1	-2.5	-4.4	9.1	-7.8	7.0
Gasoline.....	05	71	55.0	-1.8	3.3	14.4	5.7	-3.2
No. 2 diesel fuel.....	05	7303	86.5	-3.3	9.9	14.2	21.4	8.1
Industrial chemicals.....	06	1	22.5	-1.5	-0.2	1.7	2.1	1.8
Prepared paint <sup>2</sup> .....	06	21	26.0	0.9	6.3	0.7	1.0	5.2
Plastic construction products <sup>2</sup> .....	07	21	29.9	2.0	1.9	1.0	1.4	1.2
Recyclable paper <sup>2</sup> .....	09	12	52.5	-7.3	-6.1	-0.8	2.4	3.1
Paper <sup>2</sup> .....	09	13	14.9	0.5	0.9	0.6	0.8	1.5
Converted paper and paperboard products <sup>2</sup> .....	09	15	14.3	0.5	1.3	1.3	0.6	1.5
Iron and steel scrap <sup>2</sup> .....	10	12	31.5	-1.8	-9.2	-1.3	29.6	-3.2
Steel mill products <sup>2</sup> .....	10	17	25.1	0.2	-1.5	-9.5	-5.5	2.4
Primary nonferrous metals <sup>2</sup> .....	10	22	28.6	0.5	5.0	5.0	1.9	0.1
Nonferrous scrap.....	10	23	14.5	-5.2	4.3	6.0	4.5	-0.3
Nonferrous wire and cable <sup>2</sup> .....	10	26	22.6	-1.6	0.5	1.9	3.6	1.3
Fabricated structural metal products.....	10	7	34.7	1.9	0.8	1.5	0.6	2.0
General purpose machinery and equipment.....	11	4	15.9	1.3	2.0	1.5	1.0	1.9
Construction sand, gravel, and crushed stone.....	13	21	8.9	0.0	2.6	1.1	0.9	0.6
Stage 1 intermediate demand services.....	ID5	9112	8.6	0.8	0.9	0.2	1.8	0.6
Truck transportation of freight <sup>2</sup> .....	30	12	27.4	0.8	2.1	2.0	5.1	4.4
Airline passenger services.....	30	22	21.6	4.3	-5.3	3.5	11.1	2.9
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-0.9	0.1	1.2	-2.0	1.5	-1.0
Business wired telecommunication services <sup>2</sup> .....	37	12	0.4	0.1	-0.1	0.0	0.0	0.0
Wireless telecommunication services.....	37	2	0.5	-0.1	-0.2	0.5	-0.1	-0.1

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**  
 [April 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		Apr. 2021 to Apr. 2022 <sup>p</sup>	Nov. to Dec.	Dec. to Jan. <sup>p</sup>	Jan. to Feb. <sup>p</sup>	Feb. to Mar. <sup>p</sup>
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	3.6	0.8	0.2	0.0	0.1	0.0
Business loans (partial).....	39	11	10.9	2.0	-0.7	-2.2	1.8	3.2
Deposit services (partial) <sup>2</sup> .....	39	2	-6.3	-3.6	1.1	-0.6	-5.1	-1.2
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	-0.8	-1.2	-0.5	1.6	-4.5	-0.2
Portfolio management <sup>2</sup> .....	40	2	-1.7	-0.3	2.0	-3.8	-1.3	-1.8
Investment banking <sup>2</sup> .....	40	3	3.6	1.9	0.1	1.1	-4.2	-1.9
Insurance.....	41	11	1.4	0.1	0.2	0.3	0.2	0.1
Nonresidential real estate rents <sup>2</sup> .....	43	11	5.8	1.0	1.3	-2.1	-0.7	4.3
Architectural and engineering services.....	45	3	4.2	0.0	2.4	0.0	0.2	0.3
Management consulting services.....	45	41	1.3	0.4	0.3	-0.4	0.2	0.0
Waste collection.....	50	1	2.5	0.5	0.2	0.8	-1.0	0.0
Traveler accommodation services.....	53	11	26.2	5.2	-2.3	-2.7	11.6	-3.1
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.7	0.2	1.2	3.1	0.6	0.3
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	12.6	3.3	2.0	1.7	0.1	-0.4
Building materials, paint, and hardware wholesaling.....	57	3	25.0	0.4	3.3	2.2	2.3	-1.6
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	9.3	2.3	-2.7	-6.1	3.1	-0.2
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	3.5	1.1	-4.2	0.9	0.3	-0.1
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	25.0	-2.2	3.0	0.4	6.2	2.3
Hardware and building materials and supplies retailing.....	58	D	22.5	1.0	10.9	9.1	10.7	-0.3
Mining services <sup>2</sup> .....	60	1	11.6	2.0	2.4	0.1	1.3	1.1

<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**  
 [April 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	Dec. 2021	Jan. 2022 <sup>p</sup>	Feb. 2022 <sup>p</sup>	Mar. 2022 <sup>p</sup>	Apr. 2022 <sup>p</sup>
<b>Final Demand</b>								
Final demand.....		FD	4	131.999	133.521	134.931	137.084	137.794
Final demand goods.....		FD	41	132.111	134.219	137.190	140.487	142.255
Final demand foods.....		FD	411	137.064	139.421	142.230	145.795	147.968
Finished consumer foods <sup>2</sup> .....	00/82	FD	4111	239.422	243.144	247.346	252.790	256.395
Finished consumer foods, crude.....	00/82	FD	411113	254.018	240.725	245.088	278.076	283.689
Finished consumer foods, processed.....	00/82	FD	411112	238.378	243.938	248.132	250.626	254.023
Government purchased foods.....		FD	4112	140.597	144.213	147.402	148.384	150.473
Foods for export.....		FD	4113	144.756	147.849	152.738	160.032	162.950
Final demand energy.....		FD	412	130.766	136.162	145.962	155.340	158.021
Finished consumer energy goods <sup>2</sup> .....	00/82	FD	4121	206.600	213.489	228.068	239.267	239.174
Government purchased energy.....		FD	4122	134.031	143.183	154.467	174.115	186.168
Energy for export.....		FD	4123	117.331	127.516	140.790	156.916	174.008
Final demand goods less foods and energy.....		FD	413	131.110	132.196	133.224	134.684	136.080
Finished goods less foods and energy <sup>2</sup> .....	00/82	FD	4131	225.336	227.375	229.576	231.227	233.503
Finished consumer goods less foods and energy.....	00/82	FD	41311	251.962	253.789	256.129	257.855	259.926
Nondurable consumer goods less foods and energy.....	00/82	FD	413111	323.766	325.707	328.853	330.603	333.039
Durable consumer goods.....	00/82	FD	413112	177.734	179.406	180.925	182.582	184.255
Private capital equipment.....	00/82	FD	41312	192.112	194.245	196.228	197.741	200.095
Private capital equipment for manufacturing industries.....	00/82	FD	413121	201.154	204.000	206.759	209.153	212.693
Private capital equipment for nonmanufacturing industries.....	00/82	FD	413122	189.302	191.238	193.008	194.280	196.309
Government purchased goods, excluding foods and energy.....		FD	4132	127.420	128.849	129.820	131.394	132.539
Government purchased goods excluding foods, energy, and capital equipment.....		FD	41321	134.794	136.759	138.265	139.943	141.802
Government purchased capital equipment.....		FD	41322	116.345	117.080	117.363	118.783	119.014
Goods for export, excluding foods and energy.....		FD	4133	132.919	133.724	134.337	136.630	138.241
Final demand services.....		FD	42	131.332	132.465	133.093	134.691	134.734
Final demand trade services <sup>3</sup> .....		FD	423	139.678	141.388	143.757	146.497	145.794
Trade of finished goods <sup>2</sup> .....		FD	4231	138.745	140.450	142.746	145.499	144.734
Trade of personal consumption goods.....		FD	42311	138.620	139.976	141.849	144.759	143.914
Trade of private capital equipment.....		FD	42312	137.755	140.967	145.093	147.129	146.726
Trade of government purchased goods.....		FD	4232	143.386	145.737	148.968	152.315	152.091
Trade of government purchased goods, excluding capital equipment.....		FD	42321	147.658	149.559	151.466	155.535	155.258
Trade of government purchased capital equipment.....		FD	42322	135.573	138.586	143.797	146.018	145.876
Trade of exports.....		FD	4233	147.113	148.653	151.359	153.765	153.421
Final demand transportation and warehousing services.....		FD	422	140.631	140.762	143.550	151.690	157.167
Transportation of passengers for final demand.....		FD	4221	115.542	109.475	113.206	125.665	129.245
Transportation of private passengers.....		FD	42211	115.587	109.535	113.257	125.684	129.257
Transportation of government passengers.....		FD	42212	115.561	109.573	113.254	125.542	129.085
Transportation of passengers for export.....		FD	42213	115.354	109.223	112.995	125.594	129.201
Transportation and warehousing of goods for final demand.....		FD	4222	149.958	152.805	155.145	161.294	167.538
Transportation and warehousing of finished goods <sup>2</sup> .....		FD	42221	149.116	151.878	154.264	160.647	167.008
Transportation and warehousing of personal consumption goods.....		FD	422211	149.350	152.084	154.408	160.708	166.970
Transportation and warehousing of private capital equipment.....		FD	422212	148.179	151.055	153.690	160.411	167.170
Transportation and warehousing of government purchased goods.....		FD	42222	147.052	149.676	151.009	156.061	161.794
Transportation and warehousing of exports.....		FD	42223	153.641	156.760	159.231	165.106	171.225
Final demand services less trade, transportation, and warehousing.....		FD	421	126.659	127.625	127.240	127.673	127.526
Finished services less trade, transportation, and warehousing <sup>2</sup> .....		FD	4211	127.096	128.070	127.711	128.244	128.081
Finished consumer services less trade, transportation, and warehousing.....		FD	42111	126.881	127.658	127.257	127.718	127.449
Private capital investment services less trade, transportation, and warehousing.....		FD	42112	129.346	132.051	132.066	133.236	133.996
Government purchased services less trade, transportation, and warehousing.....		FD	4212	118.894	119.761	119.527	119.541	119.766
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....		FD	42121	119.310	120.211	120.024	119.987	120.219
Government purchased capital investment services less trade, transportation, and warehousing.....		FD	42122	108.021	108.159	106.966	108.043	108.111
Services for export less trade, transportation, and warehousing.....		FD	4213	130.014	130.991	130.059	129.483	129.175
Final demand construction.....		FD	43	146.271	151.474	152.298	153.179	159.239
Construction for private capital investment.....		FD	431	148.195	154.002	154.924	155.730	162.113
Construction for government.....		FD	432	142.568	146.674	147.324	148.336	153.804
<b>Final Demand Special Groupings</b>								
Final demand less exports.....	04/10	FD	49101	129.531	131.060	132.445	134.444	134.965
Final demand less government.....	04/10	FD	49102	130.330	131.758	133.101	135.131	135.692
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>1</sup> .....	04/10	FD	49103	130.427	131.552	132.318	133.884	134.358
Final demand less foods and energy <sup>4</sup> .....	04/10	FD	49104	130.192	131.373	132.094	133.630	134.103
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>4</sup> .....	04/10	FD	49105	130.044	131.459	132.842	134.939	135.563

See footnotes at end of table.

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

[April 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	Dec. 2021	Jan. 2022 <sup>P</sup>	Feb. 2022 <sup>P</sup>	Mar. 2022 <sup>P</sup>	Apr. 2022 <sup>P</sup>
Final demand less foods <sup>4</sup> .....	04/10	FD	49106	129.781	131.232	132.541	134.582	135.196
Final demand less energy.....	04/10	FD	49107	130.327	131.574	132.415	134.066	134.636
Final demand less trade services.....	01/10	FD	49108	128.729	130.191	131.365	133.362	134.402
Final demand less distributive services <sup>5</sup> .....	01/10	FD	49109	127.947	129.358	130.489	132.332	133.180
Final demand goods less energy.....	01/10	FD	49111	131.163	132.497	133.877	135.751	137.292
Final demand goods less foods.....	04/10	FD	49112	128.101	130.111	133.044	136.212	137.860
Final demand services less trade services.....	04/10	FD	49113	126.907	127.791	127.693	128.810	129.166
Final demand distributive services <sup>5</sup> .....	04/10	FD	49114	138.439	140.263	142.585	145.710	145.904
Final demand goods plus final demand distributive services <sup>5</sup> .....	04/10	FD	49115	132.859	134.826	137.499	140.683	141.802
Final demand less foods, energy, and trade services <sup>4</sup> .....	08/13	FD	49116	120.474	121.452	121.704	122.841	123.594
Private and government purchased capital equipment.....	08/13	FD	49117	116.511	117.726	118.800	119.788	121.048
Private and government purchased capital investment services.....	08/13	FD	49118	123.073	125.734	127.566	129.257	129.754
Total private and government purchased capital investment.....	08/13	FD	49119	121.855	124.117	125.527	126.838	128.161
Total finished <sup>2</sup> .....	01/10	FD	49201	130.599	132.057	133.395	135.285	135.630
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>2, 4</sup> .....	12/10	FD	49202	129.643	130.860	131.582	133.036	133.320
Total finished less foods and energy <sup>2, 4</sup> .....	01/10	FD	49203	130.554	131.766	132.475	133.921	134.192
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>4</sup> .....	12/10	FD	49204	129.007	130.429	131.722	133.549	133.808
Total finished less foods <sup>2, 4</sup> .....	01/10	FD	49205	130.432	131.854	133.134	134.957	135.205
Total finished less energy <sup>2</sup> .....	01/10	FD	49206	130.732	131.994	132.800	134.339	134.712
Finished goods <sup>2</sup> .....	00/82	FD	49207	232.047	235.764	241.677	246.637	248.649
Finished goods less energy <sup>2</sup> .....	00/82	FD	49208	228.567	231.032	233.742	236.360	238.972
Finished goods, excluding foods <sup>2, 4</sup> .....	00/82	FD	49209	229.271	232.973	239.285	244.105	245.714
Finished services <sup>2</sup> .....	01/10	FD	49210	130.149	131.285	131.868	133.429	133.365
Private capital investment services.....	04/10	FD	49211	132.545	135.447	137.348	139.163	139.731
Finished distributive services <sup>2, 5</sup> .....	04/10	FD	49212	137.137	138.915	141.176	144.242	144.206
Finished services less trade services <sup>2</sup> .....	04/10	FD	49213	127.004	127.905	127.769	128.834	129.065
Finished services less distributive services <sup>2, 5</sup> .....	04/10	FD	49214	126.003	126.811	126.548	127.346	127.268
Total private capital investment (goods, services, and construction).....	04/10	FD	49215	129.169	131.620	133.182	134.565	135.931
Finished goods plus finished distributive services <sup>2</sup> .....	04/10	FD	49216	133.117	135.054	137.872	140.780	141.365
Total exports.....	04/10	FD	49301	132.089	133.390	134.790	137.656	139.448
Goods for export.....	00/82	FD	49302	224.367	226.896	229.718	235.587	239.819
Services for export.....	04/10	FD	49303	137.959	139.037	140.105	142.212	143.033
Total government purchases.....	04/10	FD	49401	125.472	127.775	129.697	132.866	135.153
Government purchased goods.....	00/82	FD	49402	212.732	218.395	224.304	233.660	239.857
Government purchased services.....	04/10	FD	49403	124.197	125.233	125.828	127.040	127.531
Total government purchased capital investment (goods, services, construction).....	08/13	FD	49404	119.516	121.371	122.296	123.622	125.170
Personal consumption.....	01/10	FD	49501	130.821	132.058	133.346	135.347	135.465
Personal consumption goods (finished consumer goods).....	00/82	FD	49502	249.019	253.449	261.145	267.671	269.513
Personal consumption goods less energy.....	00/82	FD	49503	247.313	249.943	253.073	256.369	259.091
Personal consumption goods less foods.....	00/82	FD	49504	251.045	255.730	264.787	271.704	272.816
Personal consumption nondurable goods less foods.....	00/82	FD	49508	282.943	288.901	301.133	310.267	311.154
Personal consumption services.....	04/10	FD	49505	129.260	130.131	130.517	132.035	131.878
Personal consumption less trade services.....	04/10	FD	49506	128.390	129.592	130.721	132.475	132.849
Personal consumption less distributive services <sup>5</sup> .....	04/10	FD	49507	127.826	128.982	130.075	131.690	131.884
Personal consumption less foods and energy.....	04/14	FD	49510	120.742	121.563	122.011	123.360	123.347
Personal consumption less foods, energy, and trade services <sup>3</sup> .....	04/14	FD	49511	118.680	119.362	119.393	120.307	120.545
Personal consumption less foods, energy, and distributive services <sup>5</sup> .....	04/14	FD	49512	118.341	118.955	118.905	119.634	119.661
Personal consumption goods plus personal consumption distributive services <sup>5</sup> .....	08/13	FD	49509	122.756	124.502	127.233	130.269	130.662
<b>Intermediate Demand by Commodity Type</b>								
<b>Processed goods</b>								
Processed goods for intermediate demand.....	00/82	ID6	1	248.616	253.997	257.878	263.439	269.140
Materials and components for manufacturing.....	00/82	ID6	11	237.950	240.618	240.288	241.723	245.917
Materials for manufacturing.....		ID6	111	155.912	157.508	156.636	157.511	160.803
Materials for food manufacturing.....	00/82	ID6	1111	233.905	240.020	245.429	251.032	260.666
Materials for nondurable manufacturing.....	00/82	ID6	1112	277.732	278.731	282.778	287.569	293.479
Materials for durable manufacturing.....	00/82	ID6	1113	324.394	328.242	317.100	313.359	318.146
Components for manufacturing.....	00/82	ID6	112	173.989	176.273	177.470	178.663	180.535
Components for nondurable manufacturing.....		ID6	1121	138.203	140.125	141.129	142.667	143.514
Components for durable manufacturing.....		ID6	1122	122.662	124.266	125.108	125.920	127.271
Materials and components for construction.....	00/82	ID6	12	323.737	333.931	339.971	345.812	348.701
Materials for construction.....		ID6	121	156.232	164.050	168.101	171.888	171.728
Components for construction.....		ID6	122	162.817	165.691	167.846	170.032	172.693
Processed fuels and lubricants for intermediate demand.....	00/82	ID6	13	231.283	242.113	256.097	274.546	286.821
Processed fuels and lubricants to manufacturing industries.....	00/82	ID6	131	235.065	243.945	255.479	268.878	280.827
Processed fuels and lubricants to nonmanufacturing industries.....	00/82	ID6	132	230.452	241.941	256.752	276.888	289.292
Containers for intermediate demand.....	00/82	ID6	14	278.538	287.885	292.644	293.065	299.732

See footnotes at end of table.

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

[April 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	Dec. 2021	Jan. 2022 <sup>P</sup>	Feb. 2022 <sup>P</sup>	Mar. 2022 <sup>P</sup>	Apr. 2022 <sup>P</sup>
Supplies for intermediate demand.....	00/82	ID6	15	233.822	237.674	240.295	243.111	246.438
Supplies to manufacturing industries.....	00/82	ID6	151	233.129	235.933	238.244	241.063	244.852
Supplies to nonmanufacturing industries.....	00/82	ID6	152	232.062	236.049	238.699	241.492	244.719
Supplies to nonmanufacturing industries, feeds.....	00/82	ID6	1521	221.932	227.360	232.608	240.546	244.506
Supplies to nonmanufacturing industries, other than feeds.....	00/82	ID6	1522	234.929	238.803	241.213	243.510	246.689
<b>Unprocessed goods</b>								
Unprocessed goods for intermediate demand.....	00/82	ID6	2	265.799	273.507	300.730	306.279	322.404
Unprocessed foodstuffs and feedstuffs.....	00/82	ID6	21	217.123	222.976	235.445	253.364	259.770
Unprocessed nonfood materials.....	00/82	ID6	22	288.802	297.463	333.330	330.743	352.618
Unprocessed nonfood materials except fuel.....	00/82	ID6	221	330.117	351.993	374.309	409.273	419.852
Unprocessed nonfood materials except fuel to manufacturing industries.....	00/82	ID6	2211	307.975	328.963	350.585	384.584	394.817
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	00/82	ID6	2212	294.923	302.487	305.851	308.580	310.533
Unprocessed fuel.....	00/82	ID6	222	212.915	203.943	254.343	203.808	238.433
Unprocessed fuel to manufacturing industries.....	00/82	ID6	2221	195.958	218.126	236.696	223.548	262.395
Unprocessed fuel to nonmanufacturing industries.....	00/82	ID6	2222	220.026	208.930	262.681	208.458	243.820
<b>Services</b>								
Services for intermediate demand.....		ID6	3	134.840	135.841	136.125	137.581	138.491
Trade services for intermediate demand <sup>5</sup> .....		ID6	33	157.605	159.748	161.800	167.308	167.100
Trade services for manufacturing industries.....	12/12	ID6	331	145.485	146.274	146.848	149.701	149.429
Trade services for nonmanufacturing industries.....	12/12	ID6	332	138.726	141.802	144.929	152.013	151.908
Transportation and warehousing services for intermediate demand.....		ID6	32	149.470	150.274	151.041	154.254	158.143
Transportation of passengers for intermediate demand.....		ID6	321	115.633	109.648	113.327	125.607	129.150
Transportation of passengers for manufacturing industries.....		ID6	3211	115.346	109.221	112.989	125.577	129.182
Transportation of passengers for nonmanufacturing industries.....		ID6	3212	115.725	109.756	113.425	125.670	129.206
Transportation and warehousing of goods for intermediate demand.....		ID6	322	153.114	154.634	155.094	157.352	161.280
Transportation and warehousing of goods for manufacturing industries.....	12/12	ID6	3221	123.807	125.584	127.000	130.646	135.302
Transportation and warehousing of goods for nonmanufacturing industries.....	12/12	ID6	3222	137.713	138.927	139.045	140.562	143.676
Services less trade, transportation, and warehousing for intermediate demand.....		ID6	31	126.109	126.828	126.537	126.564	127.266
Services less trade, transportation, and warehousing for manufacturing industries.....		ID6	311	118.820	119.421	120.117	120.993	121.945
Services less trade, transportation, and warehousing for nonmanufacturing industries.....		ID6	312	126.339	127.062	126.737	126.734	127.428
<b>Construction</b>								
Construction for intermediate demand.....		ID6	4	131.155	134.041	135.330	137.020	140.248
<b>Intermediate Demand by Commodity Type Special Groupings</b>								
Processed materials less foods and feeds.....	00/82	ID6	9111	250.575	255.914	259.696	265.274	270.841
Processed foods and feeds.....	00/82	ID6	9112	228.554	234.389	239.316	244.699	251.838
Processed energy goods.....	00/82	ID6	9113	232.356	243.237	257.286	275.820	288.152
Processed materials less energy.....	00/82	ID6	9118	249.704	253.641	254.922	257.158	261.125
Processed materials less foods and energy.....	00/82	ID6	9115	251.768	255.472	256.318	258.178	261.760
Intermediate distributive services <sup>6</sup> .....	04/10	ID6	9116	153.069	154.951	156.400	160.651	161.916
Processed goods plus intermediate distributive services.....	04/10	ID6	9117	140.001	142.653	144.590	147.940	150.558
Unprocessed materials less agricultural products.....	00/82	ID6	9211	290.923	299.226	338.252	331.270	354.237
Unprocessed energy materials <sup>7</sup> .....	00/82	ID6	9212	220.663	229.847	272.205	254.517	280.816
Unprocessed materials less energy.....	00/82	ID6	9213	282.917	287.441	298.745	324.487	330.136
Unprocessed nonfood materials less energy <sup>8</sup> .....	00/82	ID6	9216	479.665	482.515	489.143	537.143	540.030
<b>Intermediate Demand by Production Flow</b>								
<b>Stage 4 Intermediate Demand</b>								
Stage 4 intermediate demand.....		ID5	4	137.996	140.042	140.904	142.323	143.606
Inputs to stage 4 goods producers.....		ID5	41	137.995	139.913	140.823	142.518	144.123
Goods.....		ID5	411	133.115	135.100	135.863	137.453	139.623
Foods.....		ID5	4111	141.295	143.452	147.105	154.943	159.212
Energy.....		ID5	4112	148.294	149.466	159.058	164.636	170.280
Goods excluding foods and energy.....		ID5	4113	131.795	133.761	134.014	134.630	136.456
Services.....		ID5	412	154.261	156.032	157.368	159.391	159.456
Trade services.....		ID5	4123	164.452	166.456	168.065	170.237	169.840
Transportation and warehousing services.....		ID5	4122	128.657	129.044	130.409	134.895	139.073
Transportation of passengers.....		ID5	41221	115.353	109.223	112.995	125.593	129.201
Transportation and warehousing of goods.....		ID5	41222	139.781	141.469	142.454	145.650	150.215
Services less trade, transportation, and warehousing.....		ID5	4121	120.385	121.649	121.908	122.586	123.181
Inputs to stage 4 services producers.....		ID5	42	134.344	135.887	136.078	136.695	137.763
Goods.....		ID5	421	134.925	137.773	139.543	141.613	143.395
Foods.....		ID5	4211	143.548	145.318	148.777	150.967	153.379

See footnotes at end of table.

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

[April 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	Dec. 2021	Jan. 2022 <sup>P</sup>	Feb. 2022 <sup>P</sup>	Mar. 2022 <sup>P</sup>	Apr. 2022 <sup>P</sup>
Energy.....		ID5	4212	126.428	131.338	133.177	136.714	139.157
Goods excluding foods and energy.....		ID5	4213	136.395	138.455	139.693	140.947	142.189
Services.....		ID5	422	134.005	135.073	134.691	134.780	135.585
Trade services.....		ID5	4223	145.246	146.696	148.620	151.602	151.481
Transportation and warehousing services.....		ID5	4222	139.729	141.012	140.412	143.359	146.813
Transportation of passengers.....		ID5	42221	115.041	108.978	112.708	125.162	128.737
Transportation and warehousing of goods.....		ID5	42222	144.672	147.310	145.911	147.118	150.560
Services less trade, transportation, and warehousing.....		ID5	4221	131.390	132.380	131.716	131.132	131.791
Construction.....		ID5	423	131.155	134.041	135.330	137.020	140.248
Inputs to stage 4 construction producers.....		ID5	43	150.827	155.177	158.604	162.553	163.893
Goods.....		ID5	431	153.662	158.485	162.817	166.544	168.128
Energy.....		ID5	4312	150.801	156.234	175.492	190.542	193.879
Goods excluding foods and energy.....		ID5	4313	157.517	162.393	165.369	168.078	169.529
Services.....		ID5	432	143.361	146.563	147.822	152.280	153.031
Trade services.....		ID5	4323	161.506	165.938	167.885	175.615	174.885
Transportation and warehousing services.....		ID5	4322	144.476	146.914	149.268	155.630	161.843
Transportation of passengers.....		ID5	43221	120.287	113.911	117.833	130.935	134.689
Transportation and warehousing of goods.....		ID5	43222	145.852	148.538	150.862	157.076	163.386
Services less trade, transportation, and warehousing.....		ID5	4321	121.586	123.717	123.860	124.178	124.563
<b>Stage 3 Intermediate Demand</b>								
Stage 3 intermediate demand.....		ID5	3	141.289	143.604	145.593	149.753	153.080
Inputs to stage 3 goods producers.....		ID5	31	157.428	159.907	161.721	166.132	170.124
Goods.....		ID5	311	155.559	158.424	160.632	164.951	169.390
Foods.....		ID5	3111	160.050	166.595	175.079	188.834	194.608
Energy.....		ID5	3112	146.369	146.880	155.171	165.112	183.726
Goods excluding foods and energy.....		ID5	3113	158.202	159.768	159.053	159.225	162.324
Services.....		ID5	312	153.733	154.434	154.475	158.946	160.793
Trade services.....		ID5	3123	160.109	159.998	158.817	163.602	163.584
Transportation and warehousing services.....		ID5	3122	143.180	145.155	147.327	152.756	158.624
Transportation of passengers.....		ID5	31221	122.830	116.308	120.321	133.726	137.565
Transportation and warehousing of goods.....		ID5	31222	144.124	146.588	148.649	153.608	159.583
Services less trade, transportation, and warehousing.....		ID5	3121	121.877	123.087	123.720	124.695	125.830
Inputs to stage 3 services producers.....		ID5	32	128.058	130.078	132.111	135.963	138.830
Goods.....		ID5	321	114.271	120.424	128.983	142.418	150.616
Foods.....		ID5	3211	144.275	148.066	150.271	152.240	154.216
Energy.....		ID5	3212	112.525	121.538	134.591	155.513	167.931
Goods excluding foods and energy.....		ID5	3213	125.891	127.750	129.520	131.595	133.438
Services.....		ID5	322	132.046	132.740	132.733	133.614	134.788
Trade services.....		ID5	3223	167.750	170.175	171.058	178.942	179.386
Transportation and warehousing services.....		ID5	3222	160.799	161.307	161.325	162.294	165.189
Transportation of passengers.....		ID5	32221	101.558	101.071	101.286	101.677	102.602
Transportation and warehousing of goods.....		ID5	32222	161.304	161.817	161.833	162.806	165.714
Services less trade, transportation, and warehousing.....		ID5	3221	122.763	123.385	123.306	123.662	124.447
Construction.....		ID5	323	131.155	134.041	135.330	137.020	140.248
Inputs to stage 3 construction producers.....		ID5	33	134.403	142.603	148.330	156.180	156.043
Goods.....		ID5	331	129.157	135.519	138.518	141.883	142.209
Energy.....				-	-	-	-	-
Goods excluding foods and energy.....		ID5	3313	164.577	172.684	176.505	180.792	181.208
Services.....		ID5	332	157.916	168.873	177.787	190.654	190.092
Trade services.....		ID5	3323	162.821	174.745	184.379	198.282	197.495
Transportation and warehousing services.....		ID5	3322	104.080	104.947	105.135	105.679	109.204
Transportation and warehousing of goods.....		ID5	33222	109.860	110.775	110.974	111.548	115.269
Services less trade, transportation, and warehousing.....		ID5	3321	114.074	113.377	114.446	115.895	117.288
<b>Stage 2 Intermediate Demand</b>								
Stage 2 intermediate demand.....		ID5	2	130.793	132.518	138.213	138.485	142.355
Inputs to stage 2 goods producers.....		ID5	21	126.169	128.916	138.565	137.850	143.803
Goods.....		ID5	211	127.088	130.560	142.743	141.200	148.617
Foods.....		ID5	2111	149.739	156.121	164.048	171.914	174.761
Energy.....		ID5	2112	98.940	103.447	122.052	115.161	126.237
Goods excluding foods and energy.....		ID5	2113	148.051	148.938	150.064	155.503	156.895
Services.....		ID5	212	134.634	134.809	135.847	138.200	139.125
Trade services.....		ID5	2123	151.710	151.662	153.827	158.285	157.888
Transportation and warehousing services.....		ID5	2122	154.666	155.074	155.554	156.912	160.065
Transportation of passengers.....		ID5	21221	116.688	110.872	114.444	126.351	129.824
Transportation and warehousing of goods.....		ID5	21222	156.934	157.752	158.027	158.688	161.815
Services less trade, transportation, and warehousing.....		ID5	2121	117.982	118.302	118.430	119.120	120.159
Construction.....		ID5	213	131.155	134.041	135.330	137.020	140.248
Inputs to stage 2 services producers.....		ID5	22	132.149	132.508	132.949	134.473	135.546

See footnotes at end of table.



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

[April 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	Dec. 2021	Jan. 2022 <sup>P</sup>	Feb. 2022 <sup>P</sup>	Mar. 2022 <sup>P</sup>	Apr. 2022 <sup>P</sup>
Goods.....		ID5	221	137.396	139.003	140.739	142.556	144.648
Foods.....		ID5	2211	122.072	125.347	129.174	132.884	134.250
Energy.....		ID5	2212	160.750	163.305	174.168	177.301	187.667
Goods excluding foods and energy.....		ID5	2213	136.366	137.908	139.068	140.795	142.383
Services.....		ID5	222	131.133	131.206	131.421	132.894	133.726
Trade services.....		ID5	2223	165.177	161.086	164.433	182.008	184.293
Transportation and warehousing services.....		ID5	2222	168.421	165.289	167.294	169.445	173.103
Transportation of passengers.....		ID5	22221	115.879	109.785	113.534	126.050	129.645
Transportation and warehousing of goods.....		ID5	22222	179.013	176.452	178.122	178.255	181.933
Services less trade, transportation, and warehousing.....		ID5	2221	127.680	128.244	128.140	128.609	129.151
Construction.....		ID5	223	131.155	134.041	135.330	137.020	140.248
<b>Stage 1 Intermediate Demand</b>								
Stage 1 intermediate demand.....		ID5	1	137.832	139.702	141.055	144.626	146.972
Inputs to stage 1 goods producers.....		ID5	11	147.533	147.955	148.117	151.381	153.946
Goods.....		ID5	111	149.510	150.114	150.549	154.150	157.595
Foods.....		ID5	1111	155.189	157.132	160.836	174.789	179.253
Energy.....		ID5	1112	128.015	129.273	134.098	134.346	141.767
Goods excluding foods and energy.....		ID5	1113	157.497	157.734	156.585	159.315	161.734
Services.....		ID5	112	145.974	145.913	145.336	147.768	148.008
Trade services.....		ID5	1123	161.042	159.984	159.359	163.261	162.768
Transportation and warehousing services.....		ID5	1122	137.043	136.360	136.961	139.593	145.362
Transportation of passengers.....		ID5	11221	115.331	109.202	112.973	125.569	129.176
Transportation and warehousing of goods.....		ID5	11222	140.978	141.692	141.477	141.537	147.790
Services less trade, transportation, and warehousing.....		ID5	1121	104.522	105.949	105.370	105.356	105.853
Construction.....		ID5	113	131.155	134.041	135.330	137.020	140.248
Inputs to stage 1 services producers.....		ID5	12	131.847	133.737	135.036	138.077	140.265
Goods.....		ID5	121	130.995	135.186	139.448	145.468	149.944
Foods.....		ID5	1211	104.933	107.267	110.498	112.433	120.828
Energy.....		ID5	1212	140.496	148.402	158.586	174.693	183.458
Goods excluding foods and energy.....		ID5	1213	133.780	136.405	138.028	139.497	141.636
Services.....		ID5	122	132.005	132.737	132.548	134.091	135.127
Trade services.....		ID5	1223	152.635	155.105	156.485	162.946	162.938
Transportation and warehousing services.....		ID5	1222	129.725	128.781	130.132	136.091	139.365
Transportation of passengers.....		ID5	12221	115.264	109.139	112.908	125.495	129.099
Transportation and warehousing of goods.....		ID5	12222	151.560	153.467	153.582	156.393	159.822
Services less trade, transportation, and warehousing.....		ID5	1221	128.865	129.609	129.034	129.402	130.258
Construction.....		ID5	123	131.155	134.041	135.330	137.020	140.248
Inputs to stage 1 construction producers.....		ID5	13	149.270	155.198	160.197	167.305	169.953
Goods.....		ID5	131	147.649	151.981	156.040	161.163	164.943
Energy.....		ID5	1312	125.163	135.382	151.153	178.776	193.696
Goods excluding foods and energy.....		ID5	1313	152.924	156.558	159.155	161.427	163.815
Services.....		ID5	132	152.500	161.577	168.434	179.459	179.877
Trade services.....		ID5	1323	158.778	169.355	177.216	189.433	188.716
Transportation and warehousing services.....		ID5	1322	120.604	123.083	125.428	131.432	137.213
Transportation and warehousing of goods.....		ID5	13222	124.749	127.314	129.739	135.949	141.929
Services less trade, transportation, and warehousing.....		ID5	1321	122.978	123.294	125.115	125.406	125.671
<b>Intermediate Demand by Production Flow Special Groupings</b>								
Total goods inputs to stage 4 intermediate demand.....	04/10	ID5	9411	134.915	137.652	139.372	141.476	143.379
Total services inputs to stage 4 intermediate demand.....	04/10	ID5	9412	137.411	138.753	138.782	139.523	140.199
Total construction inputs to stage 4 intermediate demand.....	04/10	ID5	9413	130.069	132.930	134.209	135.885	139.086
Total foods inputs to stage 4 intermediate demand.....	04/10	ID5	9414	139.085	141.033	144.525	149.850	153.256
Total energy goods inputs to stage 4 intermediate demand.....	04/10	ID5	9415	120.253	124.715	129.203	134.201	136.675
Total goods less foods and energy inputs to stage 4 intermediate demand.....	04/10	ID5	9416	137.548	140.178	141.254	142.474	144.077
Total goods inputs to stage 3 intermediate demand.....	04/10	ID5	9311	137.576	141.139	144.811	151.158	156.273
Total services inputs to stage 3 intermediate demand.....	04/10	ID5	9312	134.844	135.678	135.807	137.492	138.749
Total construction inputs to stage 3 intermediate demand.....	04/10	ID5	9313	130.069	132.930	134.209	135.885	139.086
Total foods inputs to stage 3 intermediate demand.....	04/10	ID5	9314	142.332	148.136	155.640	167.794	172.904
Total energy goods inputs to stage 3 intermediate demand.....	04/10	ID5	9315	115.746	123.182	135.188	153.883	167.059
Total goods less foods and energy inputs to stage 3 intermediate demand.....	04/10	ID5	9316	146.784	148.432	148.189	148.702	151.440
Total goods inputs to stage 2 intermediate demand.....	04/10	ID5	9211	121.969	125.094	135.684	134.539	141.086
Total services inputs to stage 2 intermediate demand.....	04/10	ID5	9212	132.398	132.495	132.897	134.574	135.430
Total construction inputs to stage 2 intermediate demand.....	04/10	ID5	9213	130.069	132.930	134.209	135.885	139.086
Total foods inputs to stage 2 intermediate demand.....	04/10	ID5	9214	150.266	156.647	164.570	172.431	175.276
Total energy goods inputs to stage 2 intermediate demand.....	04/10	ID5	9215	97.568	101.957	120.082	113.451	124.287
Total goods less foods and energy inputs to stage 2 intermediate demand.....	04/10	ID5	9216	137.079	138.056	139.126	143.454	144.809
Total goods inputs to stage 1 intermediate demand.....	04/10	ID5	9111	127.022	129.191	131.270	135.434	138.864
Total services inputs to stage 1 intermediate demand.....	04/10	ID5	9112	135.165	136.422	136.734	139.195	140.027

See footnotes at end of table.

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

[April 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	Dec. 2021	Jan. 2022 <sup>p</sup>	Feb. 2022 <sup>p</sup>	Mar. 2022 <sup>p</sup>	Apr. 2022 <sup>p</sup>
Total construction inputs to stage 1 intermediate demand. ....	04/10	ID5	9117	130.069	132.930	134.209	135.885	139.086
Total foods inputs to stage 1 intermediate demand. ....	04/10	ID5	9114	145.009	146.846	150.323	163.199	169.291
Total energy goods inputs to stage 1 intermediate demand. ....	04/10	ID5	9115	129.312	134.705	143.022	153.734	162.180
Total goods less foods and energy inputs to stage 1 intermediate demand. ....	04/10	ID5	9116	123.499	124.905	125.322	127.167	129.093

<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.