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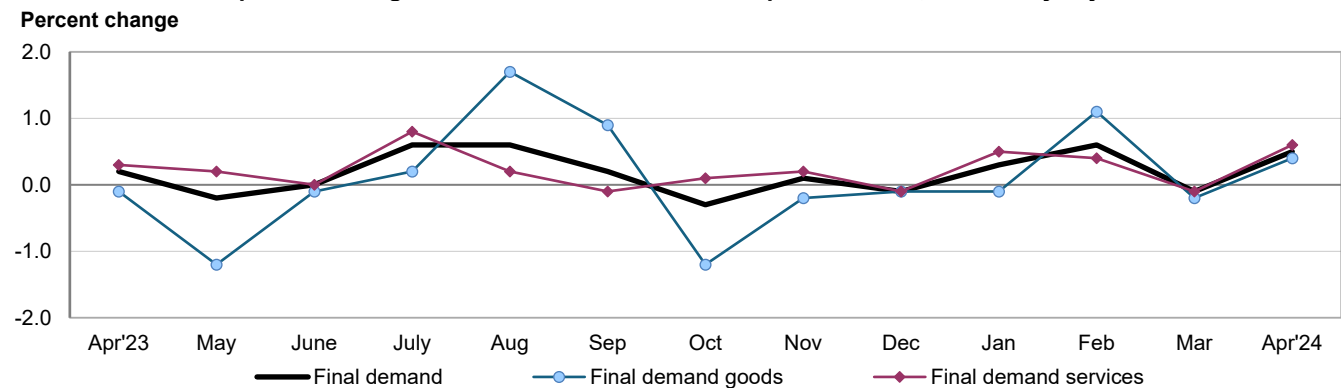
## PRODUCER PRICE INDEXES – APRIL 2024

The Producer Price Index for final demand rose 0.5 percent in April, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. Final demand prices declined 0.1 percent in March and advanced 0.6 percent in February. (See table A.) On an unadjusted basis, the index for final demand moved up 2.2 percent for the 12 months ended in April, the largest increase since rising 2.3 percent for the 12 months ended April 2023.

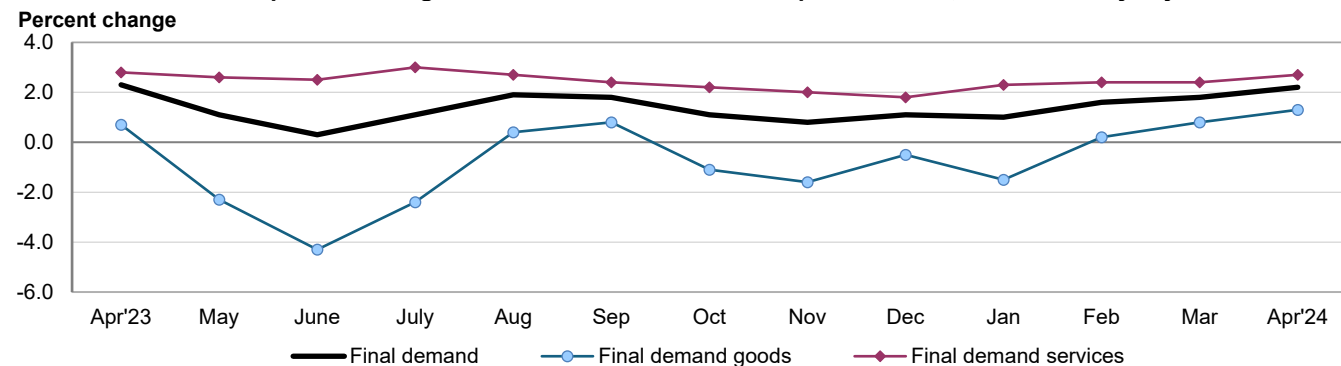
Nearly three-quarters of the April advance in final demand prices is attributable to a 0.6-percent increase in the index for final demand services. Prices for final demand goods moved up 0.4 percent.

The index for final demand less foods, energy, and trade services moved up 0.4 percent in April after rising 0.2 percent in March. For the 12 months ended in April, prices for final demand less foods, energy, and trade services increased 3.1 percent, the largest advance since climbing 3.4 percent for the 12 months ended April 2023.

**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 services:** The index for final demand services moved up 0.6 percent in April, the largest rise since jumping 0.8 percent in July 2023. Seventy percent of the April increase can be traced to prices for final demand services less trade, transportation, and warehousing, which advanced 0.6 percent. Margins for final demand trade services rose 0.8 percent. (Trade indexes measure changes in margins received by wholesalers and retailers.) In contrast, prices for final demand transportation and warehousing services decreased 0.6 percent.

*Product detail:* A 3.9-percent advance in the index for portfolio management was a major factor in the April increase in prices for final demand services. The indexes for machinery and equipment wholesaling, residential real estate services (partial), automobiles retailing (partial), guestroom rental, and truck transportation of freight also moved higher. Conversely, prices for airline passenger services declined 3.8 percent. The indexes for fuels and lubricants retailing and for gaming receipts (partial) also fell. (See table 2.)

**Final demand goods:** Prices for final demand goods rose 0.4 percent in April after decreasing 0.2 percent in March. Most of the advance is attributable to the index for final demand energy, which moved up 2.0 percent. Prices for final demand goods less foods and energy increased 0.3 percent. In contrast, the index for final demand foods declined 0.7 percent.

*Product detail:* Nearly three-quarters of the April advance in the index for final demand goods can be traced to a 5.4-percent increase in gasoline prices. The indexes for diesel fuel; chicken eggs; electric power; nonferrous metals; and canned, cooked, smoked, or prepared poultry also rose. Conversely, prices for fresh and dry vegetables fell 18.7 percent. The indexes for residential natural gas and for steel mill products also declined.

**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>2023</b>												
Apr.....	0.2	0.2	-0.1	-0.7	-0.1	0.1	0.3	0.5	-2.2	0.5	2.3	3.4
May. ...	-0.2	0.0	-1.2	-0.8	-5.4	0.1	0.2	0.7	-0.7	0.1	1.1	2.9
June...	0.0	0.2	-0.1	-0.4	0.4	-0.1	0.0	-0.8	-0.3	0.5	0.3	2.9
July....	0.6	0.2	0.2	0.3	0.8	0.0	0.8	1.7	0.2	0.4	1.1	2.9
Aug....	0.6	0.2	1.7	-0.4	8.9	0.1	0.2	-0.1	0.0	0.3	1.9	2.9
Sept...	0.2	0.3	0.9	0.4	3.2	0.3	-0.1	-1.1	0.4	0.3	1.8	2.9
Oct.....	-0.3	0.1	-1.2	0.2	-6.4	0.1	0.1	0.0	0.5	0.1	1.1	2.8
Nov....	0.1	0.1	-0.2	0.7	-2.0	0.1	0.2	0.4	-0.2	0.1	0.8	2.5
Dec. <sup>1</sup> ..	-0.1	0.3	-0.1	0.0	-0.8	0.1	-0.1	-1.2	-0.2	0.5	1.1	2.7
<b>2024</b>												
Jan. <sup>1</sup> ..	0.3	0.6	-0.1	-0.3	-1.2	0.2	0.5	0.1	-0.2	0.8	1.0	2.7
Feb. <sup>1</sup> ..	0.6	0.4	1.1	1.0	3.8	0.4	0.4	0.3	1.3	0.3	1.6	2.7
Mar. <sup>1</sup> ..	-0.1	0.2	-0.2	0.4	-1.3	0.0	-0.1	-1.0	0.2	0.3	1.8	2.8
Apr.....	0.5	0.4	0.4	-0.7	2.0	0.3	0.6	0.8	-0.6	0.6	2.2	3.1

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for December 2023 through March 2024 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 rose 0.6 percent, the index for unprocessed goods increased 3.2 percent, and prices for services edged up 0.1 percent. (See tables B and C.)

**Processed goods for intermediate demand:** The index for processed goods for intermediate demand advanced 0.6 percent in April following a 0.5-percent decrease in March. Leading the increase, prices for processed energy goods rose 1.6 percent. The index for processed materials less foods and energy moved up 0.4 percent. In contrast, prices for processed foods and feeds declined 0.2 percent. For the 12 months ended in April, the index for processed goods for intermediate demand decreased 0.5 percent.

*Product detail:* A quarter of the April advance in the index for processed goods for intermediate demand is attributable to a 3.0-percent increase in prices for diesel fuel. The indexes for gasoline, primary basic organic chemicals, commercial electric power, ethanol, and confectionery materials also moved higher. Conversely, prices for beef and veal fell 5.9 percent. The indexes for iron and steel and for utility natural gas also decreased.

**Unprocessed goods for intermediate demand:** In April, the index for unprocessed goods for intermediate demand moved up 3.2 percent, the largest advance since rising 4.6 percent in August 2022. Leading the April increase, prices for unprocessed energy materials jumped 8.2 percent. The index for unprocessed nonfood materials less energy advanced 1.0 percent. In contrast, prices for unprocessed foodstuffs and feedstuffs fell 0.2 percent. For the 12 months ended in April, the index for unprocessed goods for intermediate demand declined 4.6 percent.

*Product detail:* Leading the April rise in prices for unprocessed goods for intermediate demand, the index for crude petroleum jumped 10.6 percent. Prices for slaughter hogs, nonferrous metals, iron and steel scrap, slaughter cows and bulls, and strawberries also moved higher. Conversely, the index for slaughter steers and heifers decreased 5.3 percent. Prices for raw cotton and for natural gas also fell.

**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>2023</b>										
Apr.....	-0.7	-1.3	-3.4	0.2	-3.4	0.6	-2.2	3.7	1.0	-20.3
May.....	-1.4	-1.3	-5.9	-0.1	-7.2	-4.9	-4.1	-8.0	-1.7	-28.2
June.....	-0.5	-1.3	-0.6	-0.4	-9.4	-1.2	0.3	-2.8	-1.4	-32.1
July.....	-0.3	1.0	-0.2	-0.5	-7.6	2.5	-0.8	10.1	-2.9	-24.1
Aug.....	2.0	0.6	11.2	-0.2	-4.4	2.1	-0.1	6.0	-0.2	-26.2
Sept.....	0.5	0.7	2.1	0.0	-3.7	2.9	1.2	6.8	-0.4	-21.5
Oct.....	-1.0	-0.2	-4.3	-0.1	-4.6	-1.6	-2.1	-2.1	0.0	-14.8
Nov.....	-0.7	-0.5	-2.6	-0.3	-4.6	-2.1	-0.4	-5.3	0.7	-14.0
Dec. <sup>1</sup> .....	-0.4	0.1	-2.9	0.2	-2.8	-4.1	-3.3	-7.6	0.3	-18.7
<b>2024</b>										
Jan. <sup>1</sup> .....	-0.1	-1.6	-1.1	0.3	-3.8	1.5	-1.5	6.4	-1.3	-13.5
Feb. <sup>1</sup> .....	1.4	0.3	5.5	0.5	-2.1	-0.4	1.6	-1.3	-1.8	-9.4
Mar. <sup>1</sup> .....	-0.5	0.2	-1.3	-0.3	-1.7	-1.9	1.6	-6.3	0.1	-6.8
Apr.....	0.6	-0.2	1.6	0.4	-0.5	3.2	-0.2	8.2	1.0	-4.6

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for December 2023 through March 2024 have been revised to reflect the availability of late reports and corrections by respondents.

**Services for intermediate demand:** Prices for services for intermediate demand edged up 0.1 percent in April after rising 0.2 percent in March. Leading the April increase, the index for services less trade, transportation, and warehousing for intermediate demand advanced 0.2 percent. Prices for transportation and warehousing services for intermediate demand moved up 0.4 percent. In contrast, the index for trade services for intermediate demand declined 0.5 percent. For the 12 months ended in April, prices for services for intermediate demand rose 3.0 percent.

*Product detail:* Over 70 percent of the April increase in the index for services for intermediate demand can be traced to a 3.2-percent advance in prices for management, scientific, and technical consulting services. The indexes for portfolio management, machinery and equipment parts and supplies wholesaling, gross rents for retail properties, and arrangement of freight and cargo transportation also moved higher. Conversely, margins for metals, minerals, and ores wholesaling declined 3.1 percent. The indexes for staffing services, airline passenger services, and fuels and lubricants retailing also decreased.

**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>2023</b>					
Apr.....	0.6	0.9	-1.0	0.9	4.4
May.....	0.1	-0.3	-0.4	0.4	3.9
June.....	0.0	-0.9	-0.2	0.3	4.4
July.....	0.7	2.1	0.9	0.2	4.7
Aug.....	-0.1	-0.6	-0.7	0.1	4.2
Sept.....	0.3	-0.4	0.8	0.4	4.0
Oct.....	0.0	1.5	0.4	-0.5	3.5
Nov.....	0.5	1.5	-0.2	0.4	3.2
Dec. <sup>1</sup> .....	0.5	-0.3	1.0	0.6	3.7
<b>2024</b>					
Jan. <sup>1</sup> .....	0.8	1.1	0.0	0.8	3.5
Feb. <sup>1</sup> .....	0.0	-1.7	1.0	0.2	3.1
Mar. <sup>1</sup> .....	0.2	-0.5	0.0	0.4	3.5
Apr.....	0.1	-0.5	0.4	0.2	3.0

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for December 2023 through March 2024 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 rose 0.2 percent in April, the sixth consecutive increase. In April, the index for total goods inputs to stage 4 intermediate demand advanced 0.3 percent, and prices for total services inputs moved up 0.1 percent. (See table D.) Increases in the indexes for gasoline, portfolio management, machinery and equipment parts and supplies wholesaling, gross rents for retail properties, commercial electric power, and architectural and engineering services outweighed declines in the indexes for metals, minerals, and ores wholesaling; iron and steel; and staffing services. For the 12 months ended in April, prices for stage 4 intermediate demand rose 2.0 percent.

**Stage 3 intermediate demand:** The index for stage 3 intermediate demand advanced 0.2 percent in April after edging down 0.1 percent in March. In April, prices for total goods inputs to stage 3 intermediate demand increased 0.4 percent, while the index for total services inputs was unchanged. Rising prices for slaughter hogs, diesel fuel, primary basic organic chemicals, gasoline, cable network advertising time sales, and transportation of freight and mail outweighed declines in the indexes for slaughter chickens, iron and steel, and staffing services. For the 12 months ended in April, prices for stage 3 intermediate demand inched down 0.1 percent.

**Stage 2 intermediate demand:** The index for stage 2 intermediate demand advanced 1.5 percent in April, the largest increase since rising 1.9 percent in July 2023. In April, prices for total goods inputs to stage 2 intermediate demand jumped 3.7 percent, and the index for total services inputs edged up 0.1 percent. Higher prices for crude petroleum, liquefied petroleum gas, primary basic organic chemicals, ethanol, iron and steel scrap, and pipeline transportation of natural gas outweighed decreases in the indexes for fuels and lubricants retailing, staffing services, and steel mill products. For the 12 months ended in April, prices for stage 2 intermediate demand rose 0.5 percent, the first increase since advancing 5.5 percent for the 12 months ended January 2023.

**Stage 1 intermediate demand:** The index for stage 1 intermediate demand moved up 0.2 percent in April following a 0.2-percent decrease in March. In April, prices for total goods inputs to stage 1 intermediate demand advanced 0.5 percent. In contrast, the index for total services inputs fell 0.2 percent. Rising prices for diesel fuel, primary basic organic chemicals, portfolio management, gasoline, guestroom rental, and ethanol outweighed declines in the indexes for airline passenger services; steel mill products; and metals, minerals, and ores wholesaling. For the 12 months ended in April, prices for stage 1 intermediate demand increased 0.5 percent, the largest advance since moving up 0.7 percent for the 12 months ended March 2023.

**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	Services inputs	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs
<b>2023</b>												
Apr.....	0.2	-0.2	0.6	-0.4	-1.6	0.6	0.9	1.1	0.7	-0.2	-0.9	0.5
May.....	-0.1	-0.5	0.2	-1.2	-2.6	-0.1	-1.4	-4.0	0.5	-0.8	-1.5	-0.2
June.....	0.0	-0.1	0.0	-0.3	-0.4	-0.2	-1.0	-2.0	-0.2	-0.3	-0.6	0.1
July.....	0.4	-0.1	0.8	-0.3	-1.3	0.6	1.9	3.9	0.6	0.1	-0.7	0.9
Aug.....	0.4	0.6	0.3	1.0	3.1	-0.6	0.7	2.2	-0.4	1.3	2.4	0.2
Sept.....	0.3	0.3	0.3	0.5	0.9	0.3	1.2	3.0	-0.1	0.3	0.3	0.2
Oct.....	-0.3	-0.5	-0.2	-0.5	-1.7	0.4	-0.3	-1.1	0.4	-0.4	-0.8	-0.1
Nov.....	0.2	-0.3	0.5	-0.2	-1.1	0.6	-1.0	-2.5	0.2	-0.2	-0.9	0.6
Dec. <sup>1</sup> .....	0.2	0.0	0.4	-0.3	-1.6	0.7	-1.1	-3.4	0.5	-0.2	-0.7	0.3
<b>2024</b>												
Jan. <sup>1</sup> .....	0.6	-0.1	1.2	0.3	0.0	0.5	1.1	1.7	0.6	0.4	-0.2	0.9
Feb. <sup>1</sup> .....	0.1	0.5	-0.3	0.9	2.5	-0.3	0.0	-0.8	0.6	0.4	1.3	-0.5
Mar. <sup>1</sup> .....	0.1	-0.2	0.3	-0.1	-0.3	0.0	-1.1	-2.7	0.0	-0.2	-0.7	0.3
Apr.....	0.2	0.3	0.1	0.2	0.4	0.0	1.5	3.7	0.1	0.2	0.5	-0.2

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for December 2023 through March 2024 have been revised to reflect the availability of late reports and corrections by respondents.

**The Producer Price Index for May 2024 is scheduled to be released on Thursday, June 13, 2024, 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 2023, the PPI covered 69 percent of services as measured by 2017 Census revenue, and 17 percent of construction.

More than 64,000 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 2022, final demand goods were about 30.7 percent of overall final demand, final demand services were roughly 66.6 percent, and final demand construction was about 2.7 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). Data provided by survey respondents are supplemented with data from other sources for some areas.

Price data are provided by survey respondents on a voluntary and confidential basis; only sworn BLS employees are allowed access to individual company price reports. BLS publishes price indexes, not 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 at their date of introduction and the *PPI Detailed Report* issue that announces their introduction

Title	Code	<i>PPI Detailed Report</i> Issue
	<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



Title	Code	PPI Detailed Report Issue
<b>SIC</b>		
Retail bakeries .....	5461	July 2000
Miscellaneous food stores .....	5499	July 2000
New car dealers .....	5511	July 2000
Gasoline service stations .....	5541	January 2002
Boat dealers .....	5551	January 2002
Recreational vehicle dealers .....	5561	January 2002
Miscellaneous retail .....	59	January 2001
Security brokers, dealers, and investment bankers .....	6211	January 2001
Investment advice .....	6282	January 2003
Life insurance carriers .....	6311	January 1999
Property and casualty insurance .....	6331	July 1998
Insurance agencies and brokerages .....	6412	January 2003
Operators and lessors of nonresidential buildings .....	6512	January 1996
Real estate agents and managers .....	6531	January 1996
Prepackaged software .....	7372	January 1998
Data processing services .....	7374	January 2002
Home health care services .....	8082	January 1997
Legal services .....	8111	January 1997
Engineering design, analysis, and consulting services .....	8711	January 1997
Architectural design, analysis, and consulting services .....	8712	January 1997
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
Pipeline transportation of natural gas .....	486210	June 2022
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

Title	Code	PPI Detailed Report Issue
<b>NAICS</b>		
Construction, mining, and forestry machinery and equipment rental and leasing .....	532412	January 2005
Management consulting services .....	541610	January 2007
Security guards and patrol services .....	561612	July 2005
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 2017 values of shipments as reported in the *Census of Manufactures* and other sources. From January 2018 to December 2022, PPI weights were derived from 2012 shipment values. Industry indexes now are calculated under the 2022 NAICS structure utilizing 2017 value of shipment weights and 2012 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 COVID-19 pandemic. In this case, intervention techniques allowed for better estimates of seasonally adjusted data. On the whole, very few series have required intervention. Out of over 400 seasonally adjusted commodity series, 69 were subject to intervention in 2023.

For more information relating to seasonal adjustment methods, see “PPI and CPI Seasonal Adjustment: an Update” in the July 2010 *Monthly Labor Review*, and “PPI and CPI Seasonal Adjustment During the COVID-19 Pandemic” in the May 2022 *Monthly Labor Review*.

## Producer Price Index Data on the Internet

In 1995, the BLS began posting PPI series, news releases, and technical information to the internet. There were more than 13 million instances of PPI data being downloaded from the BLS website during 2022.

## Retrieving PPI data from the PPI Web site

PPI data can be obtained online ([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/](http://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:

Industry Data	<u>Directory:</u> <a href="http://pub.time.series/pc">/pub/time.series/pc</a>
Industry Data - Discontinued (NAICS basis)	<a href="http://pub.time.series/nd">/pub/time.series/nd</a>
(SIC basis)	<a href="http://pub.time.series/pd">/pub/time.series/pd</a>
Commodity Data (incl. FD-ID)	<a href="http://pub.time.series/wp">/pub/time.series/wp</a>
Commodity Data – Discontinued	<a href="http://pub.time.series/wd">/pub/time.series/wd</a>
Special requests	<a href="http://pub.special.requests/ppi">/pub/special.requests/ppi</a>

### Additional information

The PPI homepage ([www.bls.gov/ppi](http://www.bls.gov/ppi)) contains additional information regarding PPI data and methodology. The “PPI Publications” section of the homepage provides PPI news releases, both current and archived, as well as general PPI information. The “PPI Tables” 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 2024]**

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Apr. 2023 to Apr. 2024 <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	2.2	-0.1	0.3	0.6	-0.1	0.5
Final demand goods.....	FD	41	30.099	1.3	-0.1	-0.1	1.1	-0.2	0.4
Final demand foods.....	FD	411	5.587	0.5	0.0	-0.3	1.0	0.4	-0.7
Finished consumer foods <sup>3</sup> .....	FD	4111	4.272	2.5	0.1	0.4	1.8	0.3	-0.6
Finished consumer foods, crude.....	FD	41113	0.351	-9.8	-6.3	8.0	10.2	-4.0	-4.3
Finished consumer foods, processed.....	FD	41112	3.921	3.8	0.7	-0.3	1.0	0.8	-0.2
Government purchased foods.....	FD	4112	0.405	4.0	0.7	-1.3	1.0	0.6	-0.7
Foods for export.....	FD	4113	0.910	-9.7	-0.7	-2.9	-2.5	0.8	-0.9
Final demand energy.....	FD	412	5.515	1.0	-0.8	-1.2	3.8	-1.3	2.0
Finished consumer energy goods <sup>3</sup> .....	FD	4121	4.287	1.1	0.6	-1.3	3.1	-1.0	2.2
Government purchased energy.....	FD	4122	0.837	0.7	-5.0	-1.0	6.8	-1.7	1.4
Energy for export.....	FD	4123	0.391	-0.7	-7.5	0.0	6.1	-4.4	1.4
Final demand goods less foods and energy.....	FD	413	18.996	1.6	0.1	0.2	0.4	0.0	0.3
Finished goods less foods and energy <sup>3</sup> .....	FD	4131	10.931	2.3	0.1	0.3	0.4	0.2	0.1
Finished consumer goods less foods and energy.....	FD	41311	5.809	1.9	0.0	0.1	0.4	0.1	0.1
Nondurable consumer goods less foods and energy.....	FD	413111	3.519	2.4	0.1	0.1	0.5	0.0	0.1
Durable consumer goods.....	FD	413112	2.290	1.1	0.0	0.2	0.1	0.3	0.1
Private capital equipment.....	FD	41312	5.122	2.8	0.1	0.5	0.4	0.3	0.2
Private capital equipment for manufacturing industries.....	FD	413121	1.254	3.7	0.2	0.7	0.4	0.5	0.1
Private capital equipment for nonmanufacturing industries.....	FD	413122	3.868	2.5	0.0	0.5	0.3	0.3	0.2
Government purchased goods, excluding foods and energy.....	FD	4132	1.959	2.1	0.1	0.4	0.3	0.2	0.3
Government purchased goods excluding foods, energy, and capital equipment.....	FD	41321	1.146	0.7	0.1	0.1	0.4	0.3	0.4
Government purchased capital equipment.....	FD	41322	0.813	4.2	0.1	0.8	0.3	0.2	0.2
Goods for export, excluding foods and energy.....	FD	4133	6.106	0.2	0.2	0.0	0.3	-0.3	0.5
Final demand services.....	FD	42	67.245	2.7	-0.1	0.5	0.4	-0.1	0.6
Final demand trade services <sup>4</sup> .....	FD	423	19.337	-0.3	-1.2	0.1	0.3	-1.0	0.8
Trade of finished goods <sup>3</sup> .....	FD	4231	16.652	-0.7	-0.9	-0.2	0.4	-1.0	0.6
Trade of personal consumption goods.....	FD	42311	13.614	-0.9	0.0	-0.5	0.3	-0.8	-0.1
Trade of private capital equipment.....	FD	42312	3.038	0.0	-4.8	1.2	0.6	-2.1	3.9
Trade of government purchased goods.....	FD	4232	0.758	3.1	-2.9	1.4	0.3	-1.4	1.6
Trade of government purchased goods, excluding capital equipment.....	FD	42321	0.478	2.3	-0.7	0.0	-0.2	-0.6	-0.2
Trade of government purchased capital equipment.....	FD	42322	0.280	4.4	-6.4	3.7	1.2	-2.5	4.8
Trade of exports.....	FD	4233	1.927	2.6	-2.9	2.6	-0.5	-1.4	1.5
Final demand transportation and warehousing services.....	FD	422	4.925	0.3	-0.2	-0.2	1.3	0.2	-0.6
Transportation of passengers for final demand.....	FD	4221	1.262	0.0	2.6	-0.7	3.0	1.7	-3.7
Transportation of private passengers.....	FD	42211	0.851	0.0	2.6	-0.7	3.0	1.7	-3.7
Transportation of government passengers.....	FD	42212	0.102	0.0	2.6	-0.7	3.0	1.7	-3.7
Transportation of passengers for export.....	FD	42213	0.309	0.0	2.6	-0.7	3.1	1.7	-3.8
Transportation and warehousing of goods for final demand.....	FD	4222	3.663	0.4	-1.1	0.0	0.7	-0.4	0.5
Transportation and warehousing of finished goods <sup>3</sup> .....	FD	42221	2.370	0.0	-1.2	0.0	0.7	-0.4	0.5
Transportation and warehousing of personal consumption goods.....	FD	422211	1.910	0.2	-1.2	0.0	0.7	-0.4	0.5
Transportation and warehousing of private capital equipment.....	FD	422212	0.460	-0.4	-1.3	0.0	0.6	-0.5	0.5
Transportation and warehousing of government purchased goods.....	FD	42222	0.220	0.9	-0.9	0.1	0.8	-0.2	0.7
Transportation and warehousing of exports.....	FD	42223	1.073	0.9	-0.8	0.1	0.5	-0.3	0.6
Final demand services less trade, transportation, and warehousing.....	FD	421	42.982	4.4	0.5	0.8	0.3	0.3	0.6
Finished services less trade, transportation, and warehousing <sup>3</sup> .....	FD	4211	37.459	4.3	0.4	0.8	0.3	0.3	0.6
Finished consumer services less trade, transportation, and warehousing.....	FD	42111	32.980	4.3	0.4	0.9	0.3	0.3	0.6
Private capital investment services less trade, transportation, and warehousing.....	FD	42112	4.479	3.6	0.5	-0.3	0.0	0.2	1.0
Government purchased services less trade, transportation, and warehousing.....	FD	4212	2.807	4.2	0.6	0.9	0.2	0.2	0.6
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....	FD	42121	2.644	4.4	0.6	1.0	0.2	0.2	0.7
Government purchased capital investment services less trade, transportation, and warehousing.....	FD	42122	0.163	1.6	0.7	-0.7	0.0	0.4	0.1
Services for export less trade, transportation, and warehousing.....	FD	4213	2.716	6.3	1.1	0.7	0.5	1.0	0.8
Final demand construction.....	FD	43	2.656	-0.8	0.0	0.3	0.0	0.1	0.1
Construction for private capital investment.....	FD	431	1.846	-1.0	0.1	0.2	0.0	0.1	0.1
Construction for government.....	FD	432	0.810	-0.5	0.0	0.4	0.0	0.0	0.2
<b>Special Groupings of Final Demand</b>									
Final demand less exports.....	FD	49101	86.568	2.3	0.0	0.3	0.6	-0.1	0.5
Final demand less government.....	FD	49102	92.102	2.1	0.0	0.3	0.5	-0.1	0.5

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 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Apr. 2023 to Apr. 2024 <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	88.469	2.3	-0.1	0.5	0.4	-0.1	0.5
Final demand less foods and energy <sup>5</sup> .....	FD	49104	88.898	2.4	0.0	0.5	0.3	-0.1	0.5
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>5</sup> .....	FD	49105	93.984	2.2	-0.1	0.4	0.6	-0.2	0.6
Final demand less foods <sup>5</sup> .....	FD	49106	94.413	2.3	-0.1	0.4	0.6	-0.1	0.6
Final demand less energy.....	FD	49107	94.485	2.3	0.0	0.4	0.4	0.0	0.4
Final demand less trade services.....	FD	49108	80.663	2.8	0.2	0.4	0.7	0.1	0.5
Final demand less distributive services <sup>6</sup> .....	FD	49109	77.000	2.9	0.3	0.4	0.7	0.1	0.5
Final demand goods less energy.....	FD	49111	24.583	1.3	0.1	0.1	0.5	0.1	0.1
Final demand goods less foods.....	FD	49112	24.511	1.4	-0.1	-0.1	1.2	-0.3	0.7
Final demand services less trade services.....	FD	49113	47.907	3.9	0.4	0.7	0.4	0.3	0.5
Final demand distributive services <sup>6</sup> .....	FD	49114	23.000	-0.2	-1.1	0.1	0.3	-0.9	0.7
Final demand goods plus final demand distributive services <sup>6</sup> .....	FD	49115	53.098	0.6	-0.6	0.0	0.8	-0.5	0.6
Final demand less foods, energy, and trade services <sup>5</sup> .....	FD	49116	69.561	3.1	0.3	0.6	0.4	0.2	0.4
Private and government purchased capital equipment.....	FD	49117	5.935	3.0	0.1	0.6	0.3	0.3	0.2
Private and government purchased capital investment services.....	FD	49118	8.420	2.0	-1.7	0.4	0.3	-0.7	2.1
Total private and government purchased capital investment.....	FD	49119	14.355	1.9	-0.8	0.4	0.3	-0.2	1.1
Total finished <sup>3</sup> .....	FD	49201	78.668	2.3	0.0	0.3	0.6	-0.1	0.5
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>3, 5</sup> .....	FD	49202	69.684	2.4	0.0	0.4	0.4	0.0	0.5
Total finished less foods and energy <sup>3, 5</sup> .....	FD	49203	70.109	2.4	0.0	0.4	0.4	0.0	0.5
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>3, 5</sup> .....	FD	49204	73.971	2.3	0.0	0.3	0.5	-0.1	0.6
Total finished less foods <sup>3, 5</sup> .....	FD	49205	74.396	2.3	0.0	0.3	0.5	-0.1	0.6
Total finished less energy <sup>3</sup> .....	FD	49206	74.381	2.4	0.0	0.4	0.4	0.0	0.4
Finished goods <sup>3</sup> .....	FD	49207	19.490	2.1	0.2	-0.1	1.3	0.0	0.4
Finished goods less energy <sup>3</sup> .....	FD	49208	15.203	2.4	0.1	0.3	0.8	0.3	-0.1
Finished goods, excluding foods <sup>3, 5</sup> .....	FD	49209	15.218	1.9	0.2	-0.2	1.2	-0.1	0.7
Finished services <sup>3</sup> .....	FD	49210	57.332	2.5	0.0	0.4	0.4	-0.1	0.5
Private capital investment services.....	FD	49211	7.977	1.9	-1.6	0.3	0.3	-0.7	2.1
Finished distributive services <sup>3, 6</sup> .....	FD	49212	19.022	-0.6	-0.9	-0.2	0.4	-0.9	0.6
Finished services less trade services <sup>3</sup> .....	FD	49213	40.680	3.9	0.3	0.7	0.4	0.3	0.5
Finished services less distributive services <sup>3, 6</sup> .....	FD	49214	38.310	4.2	0.4	0.8	0.3	0.3	0.5
Total private capital investment (goods, services, and construction).....	FD	49215	14.945	1.9	-0.8	0.3	0.3	-0.3	1.2
Finished goods plus finished distributive services <sup>3, 6</sup> .....	FD	49216	38.512	0.7	-0.4	-0.1	0.9	-0.5	0.5
Total exports.....	FD	49301	13.432	1.0	-0.4	0.3	0.3	-0.2	0.6
Goods for export.....	FD	49302	7.407	-1.1	-0.4	-0.3	0.3	-0.4	0.4
Services for export.....	FD	49303	6.025	3.8	-0.4	1.1	0.3	0.0	0.7
Total government purchases.....	FD	49401	7.898	2.5	-0.6	0.4	1.0	-0.1	0.6
Government purchased goods.....	FD	49402	3.201	2.0	-1.3	-0.2	2.1	-0.2	0.5
Government purchased services.....	FD	49403	3.887	3.7	-0.1	0.9	0.3	-0.1	0.7
Total government purchased capital investment (goods, services, construction).....	FD	49404	2.066	2.1	-0.8	0.9	0.3	-0.2	0.8
Government purchases, defense.....	FD	49405	2.345	3.6	-1.3	0.6	1.3	-0.4	0.7
Government purchases, non-defense.....	FD	49406	5.553	2.1	-0.3	0.4	0.9	0.0	0.5
Personal consumption.....	FD	49501	63.723	2.4	0.2	0.3	0.7	0.0	0.4
Personal consumption goods (finished consumer goods).....	FD	49502	14.368	1.8	0.2	-0.3	1.6	-0.2	0.5
Personal consumption goods less energy.....	FD	49503	10.081	2.1	0.0	0.2	1.0	0.2	-0.2
Personal consumption goods less foods.....	FD	49504	10.096	1.5	0.3	-0.5	1.6	-0.4	1.0
Personal consumption nondurable goods less foods.....	FD	49508	7.806	1.7	0.4	-0.7	2.0	-0.5	1.3
Personal consumption services.....	FD	49505	49.355	2.6	0.3	0.5	0.4	0.0	0.3
Personal consumption less trade services.....	FD	49506	50.109	3.4	0.3	0.5	0.8	0.2	0.5
Personal consumption less distributive services <sup>6</sup> .....	FD	49507	48.199	3.5	0.4	0.6	0.8	0.2	0.5
Personal consumption less foods and energy.....	FD	49510	55.164	2.6	0.2	0.4	0.4	0.0	0.3
Personal consumption less foods, energy, and trade services <sup>4</sup> .....	FD	49511	41.550	3.7	0.3	0.8	0.4	0.3	0.4
Personal consumption less foods, energy, and distributive services <sup>6</sup> .....	FD	49512	39.640	3.9	0.4	0.8	0.4	0.3	0.4
Personal consumption goods plus personal consumption distributive services <sup>6</sup> .....	FD	49509	29.892	0.5	0.0	-0.4	1.0	-0.4	0.3
<b>Intermediate Demand by Commodity Type</b>									
<b>Processed goods</b>									
Processed goods for intermediate demand.....	ID6	1	100.000	-0.5	-0.4	-0.1	1.4	-0.5	0.6
Materials and components for manufacturing.....	ID6	11	43.089	-1.2	0.3	0.2	0.8	-0.5	0.4
Materials for manufacturing.....	ID6	111	26.451	-2.8	0.3	0.1	1.1	-0.9	0.5
Materials for food manufacturing.....	ID6	1111	4.344	0.5	0.6	-1.5	1.6	0.9	0.0
Materials for nondurable manufacturing.....	ID6	1112	11.712	-3.5	-0.4	-0.8	0.8	0.3	1.4
Materials for durable manufacturing.....	ID6	1113	10.395	-3.5	1.0	1.8	1.3	-2.9	-0.3
Components for manufacturing.....	ID6	112	16.638	1.4	0.2	0.4	0.2	0.2	0.2

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 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Apr. 2023 to Apr. 2024 <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>
Components for nondurable manufacturing.....	ID6	1121	0.801	-0.3	0.3	-0.1	0.3	0.2	0.6
Components for durable manufacturing.....	ID6	1122	15.837	1.5	0.2	0.4	0.2	0.2	0.1
Materials and components for construction.....	ID6	12	10.771	1.7	0.2	0.2	0.2	0.1	0.3
Materials for construction.....	ID6	121	4.730	2.6	0.1	0.2	0.5	0.5	0.2
Components for construction.....	ID6	122	6.041	1.0	0.3	0.2	0.1	-0.2	0.3
Processed fuels and lubricants for intermediate demand.....	ID6	13	18.764	0.1	-2.9	-1.1	5.5	-1.3	1.6
Processed fuels and lubricants to manufacturing industries.....	ID6	131	4.777	-1.0	-2.7	-1.4	2.9	-1.0	0.4
Processed fuels and lubricants to nonmanufacturing industries.....	ID6	132	13.987	0.5	-2.9	-1.0	6.4	-1.5	2.0
Containers for intermediate demand.....	ID6	14	3.103	-1.6	0.0	-0.1	0.1	-0.2	0.5
Supplies for intermediate demand.....	ID6	15	24.273	-0.7	0.0	-0.2	0.0	-0.1	0.2
Supplies to manufacturing industries.....	ID6	151	3.228	0.5	0.1	0.4	0.0	0.3	0.6
Supplies to nonmanufacturing industries.....	ID6	152	21.045	-0.9	0.0	-0.3	0.0	-0.1	0.2
Supplies to nonmanufacturing industries, feeds.....	ID6	1521	2.214	-12.7	-1.6	-2.6	-3.4	-2.1	-0.9
Supplies to nonmanufacturing industries, other than feeds.....	ID6	1522	18.831	0.6	0.2	0.0	0.4	0.1	0.3
<b>Unprocessed goods</b>									
Unprocessed goods for intermediate demand.....	ID6	2	100.000	-4.6	-4.1	1.5	-0.4	-1.9	3.2
Unprocessed foodstuffs and feedstuffs.....	ID6	21	38.165	-7.9	-3.3	-1.5	1.6	1.6	-0.2
Unprocessed nonfood materials.....	ID6	22	61.836	-2.3	-4.6	3.4	-1.6	-4.0	5.3
Unprocessed nonfood materials except fuel.....	ID6	221	50.586	0.2	-5.5	1.6	2.1	0.5	6.2
Unprocessed nonfood materials except fuel to manufacturing industries.....	ID6	2211	47.969	-0.2	-5.8	1.5	2.2	0.5	6.4
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	ID6	2212	2.617	-7.1	0.4	2.5	0.0	0.4	0.7
Unprocessed fuel.....	ID6	222	11.250	-18.0	-0.3	11.6	-17.0	-27.0	-0.6
Unprocessed fuel to manufacturing industries.....	ID6	2221	1.006	-7.4	-1.2	2.8	0.8	-13.9	-0.3
Unprocessed fuel to nonmanufacturing industries.....	ID6	2222	10.244	-19.2	-0.2	12.5	-18.6	-28.4	-0.7
<b>Services</b>									
Services for intermediate demand.....	ID6	3	100.000	3.0	0.5	0.8	0.0	0.2	0.1
Trade services for intermediate demand <sup>4</sup> .....	ID6	33	18.328	0.8	-0.3	1.1	-1.7	-0.5	-0.5
Trade services for manufacturing industries.....	ID6	331	9.049	0.0	-0.4	2.2	-2.5	-0.5	-0.3
Trade services for nonmanufacturing industries.....	ID6	332	9.279	1.7	-0.2	0.0	-1.0	-0.6	-0.6
Transportation and warehousing services for intermediate demand.....	ID6	32	13.925	3.0	1.0	0.0	1.0	0.0	0.4
Transportation of passengers for intermediate demand.....	ID6	321	1.033	0.0	2.6	-0.7	3.0	1.7	-3.7
Transportation of passengers for manufacturing industries.....	ID6	3211	0.123	0.0	2.6	-0.7	3.1	1.7	-3.8
Transportation of passengers for nonmanufacturing industries.....	ID6	3212	0.910	0.0	2.6	-0.7	3.0	1.7	-3.7
Transportation and warehousing of goods for intermediate demand.....	ID6	322	12.892	3.3	0.9	0.0	0.8	-0.2	0.7
Transportation and warehousing of goods for manufacturing industries.....	ID6	3221	2.732	1.2	-0.6	0.2	0.2	-0.1	0.8
Transportation and warehousing of goods for nonmanufacturing industries.....	ID6	3222	10.160	3.9	1.3	0.0	1.0	-0.2	0.7
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	67.747	3.6	0.6	0.8	0.2	0.4	0.2
Services less trade, transportation, and warehousing for manufacturing industries.....	ID6	311	2.130	4.6	0.5	1.8	-0.1	0.4	0.5
Services less trade, transportation, and warehousing for nonmanufacturing industries.....	ID6	312	65.617	3.6	0.6	0.8	0.2	0.4	0.2
<b>Construction</b>									
Construction for intermediate demand.....	ID6	4	100.000	3.0	0.0	0.3	0.1	0.6	0.2
<b>Special Groupings of Intermediate Demand by Commodity Type</b>									
Processed materials less foods and feeds.....	ID6	9111	91.153	-0.4	-0.5	0.0	1.5	-0.5	0.6
Processed foods and feeds.....	ID6	9112	8.847	-2.5	0.1	-1.6	0.3	0.2	-0.2
Processed energy goods.....	ID6	9113	18.764	0.1	-2.9	-1.1	5.5	-1.3	1.6
Processed materials less energy.....	ID6	9118	81.236	-0.7	0.2	0.1	0.5	-0.3	0.3
Processed materials less foods and energy.....	ID6	9115	72.389	-0.5	0.2	0.3	0.5	-0.3	0.4
Intermediate distributive services <sup>7</sup> .....	ID6	9116	31.220	1.9	0.2	0.6	-0.7	-0.4	0.0
Processed goods plus intermediate distributive services.....	ID6	9117	-	0.2	-0.2	0.1	0.8	-0.4	0.4
Unprocessed materials less agricultural products.....	ID6	9211	56.663	0.9	-4.9	4.1	-1.2	-4.6	6.3
Unprocessed energy materials <sup>8</sup> .....	ID6	9212	36.891	1.6	-7.6	6.4	-1.3	-6.3	8.2
Unprocessed materials less energy.....	ID6	9213	63.109	-7.9	-1.9	-1.4	0.2	1.0	0.3
Unprocessed nonfood materials less energy <sup>9</sup> .....	ID6	9216	24.944	-7.9	0.3	-1.3	-1.8	0.1	1.0
<b>Intermediate Demand by Production Flow</b>									
<b>Stage 4 Intermediate Demand</b>									
Stage 4 intermediate demand.....	ID5	4	100.000	2.0	0.2	0.6	0.1	0.1	0.2
Inputs to stage 4 goods producers.....	ID5	41	29.665	-0.4	-0.1	0.5	-0.3	-0.3	0.2
Goods.....	ID5	411	21.643	-1.4	-0.1	0.1	0.0	-0.3	0.1

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 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Apr. 2023 to Apr. 2024 <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>
Foods.....	ID5	4111	2.941	-8.9	-0.2	-1.8	-2.1	0.2	-0.1
Energy.....	ID5	4112	0.170	-13.2	-5.8	-1.5	0.1	-7.2	1.4
Goods excluding foods and energy.....	ID5	4113	18.532	0.0	0.0	0.4	0.4	-0.3	0.1
Services.....	ID5	412	8.022	2.5	-0.3	1.5	-1.1	-0.5	0.4
Trade services.....	ID5	4123	6.017	2.3	-0.4	1.9	-1.5	-0.7	0.3
Transportation and warehousing services.....	ID5	4122	0.492	0.8	-0.1	0.2	0.2	0.2	-0.1
Transportation of passengers.....	ID5	41221	0.076	0.0	2.6	-0.7	3.1	1.7	-3.8
Transportation and warehousing of goods.....	ID5	41222	0.416	0.9	-0.6	0.4	-0.3	-0.1	0.6
Services less trade, transportation, and warehousing.....	ID5	4121	1.513	4.1	0.3	0.6	0.0	0.2	0.8
Inputs to stage 4 services producers.....	ID5	42	55.644	3.6	0.4	0.7	0.3	0.4	0.2
Goods.....	ID5	421	13.716	1.4	0.0	-0.6	1.3	-0.1	0.5
Foods.....	ID5	4211	2.241	2.1	0.4	-1.4	0.9	1.1	0.2
Energy.....	ID5	4212	4.062	1.9	-0.2	-1.7	3.6	-1.1	1.2
Goods excluding foods and energy.....	ID5	4213	7.413	0.9	0.0	0.3	0.1	0.1	0.2
Services.....	ID5	422	41.875	4.3	0.6	1.2	0.0	0.5	0.1
Trade services.....	ID5	4223	4.149	2.0	-1.0	1.5	-0.8	-0.6	0.0
Transportation and warehousing services.....	ID5	4222	3.724	3.5	0.9	0.0	1.8	0.3	0.1
Transportation of passengers.....	ID5	42221	0.480	0.0	2.6	-0.7	3.0	1.7	-3.7
Transportation and warehousing of goods.....	ID5	42222	3.244	4.0	0.6	0.1	1.6	0.1	0.7
Services less trade, transportation, and warehousing.....	ID5	4221	34.002	4.7	0.7	1.3	-0.1	0.7	0.1
Construction.....	ID5	423	0.053	3.0	0.0	0.3	0.1	0.6	0.2
Inputs to stage 4 construction producers.....	ID5	43	14.690	1.2	0.2	0.3	0.0	-0.1	0.3
Goods.....	ID5	431	10.712	1.8	0.3	0.1	0.6	0.0	0.5
Energy.....	ID5	4312	0.762	-2.2	-0.8	-2.2	5.3	-1.8	3.5
Goods excluding foods and energy.....	ID5	4313	9.950	2.2	0.4	0.3	0.2	0.2	0.2
Services.....	ID5	432	3.978	-0.3	0.0	0.6	-1.5	-0.2	-0.2
Trade services.....	ID5	4323	1.728	-2.8	0.4	1.1	-3.4	-0.6	-1.3
Transportation and warehousing services.....	ID5	4322	0.661	-0.5	-1.2	0.0	0.4	-0.4	0.5
Transportation of passengers.....	ID5	43221	0.015	0.0	2.6	-0.7	3.0	1.7	-3.8
Transportation and warehousing of goods.....	ID5	43222	0.646	-0.5	-1.3	0.0	0.4	-0.4	0.6
Services less trade, transportation, and warehousing.....	ID5	4321	1.589	2.5	0.1	0.2	-0.2	0.2	0.6
<b>Stage 3 Intermediate Demand</b>									
Stage 3 intermediate demand.....	ID5	3	100.000	-0.1	-0.3	0.3	0.9	-0.1	0.2
Inputs to stage 3 goods producers.....	ID5	31	43.800	-2.9	-0.6	0.5	0.7	-0.1	0.0
Goods.....	ID5	311	33.969	-3.3	-0.7	0.1	1.6	-0.1	0.1
Foods.....	ID5	3111	10.337	-6.4	-2.8	-1.3	3.6	1.4	-0.4
Energy.....	ID5	3112	1.164	-5.9	-3.6	0.4	-1.5	-1.1	-1.0
Goods excluding foods and energy.....	ID5	3113	22.468	-1.6	0.4	0.8	0.9	-0.7	0.4
Services.....	ID5	312	9.831	-1.5	-0.2	1.7	-2.4	0.0	-0.4
Trade services.....	ID5	3123	5.506	-3.9	0.0	2.8	-4.4	0.0	-1.1
Transportation and warehousing services.....	ID5	3122	2.865	0.5	-0.7	0.2	0.5	-0.2	0.3
Transportation of passengers.....	ID5	31221	0.149	0.0	2.6	-0.7	3.1	1.7	-3.8
Transportation and warehousing of goods.....	ID5	31222	2.716	0.6	-0.9	0.2	0.4	-0.3	0.6
Services less trade, transportation, and warehousing.....	ID5	3121	1.460	3.5	0.3	0.4	-0.2	0.3	0.6
Inputs to stage 3 services producers.....	ID5	32	55.023	2.3	-0.1	0.1	1.1	-0.1	0.4
Goods.....	ID5	321	9.949	0.9	-4.4	-0.4	5.4	-0.8	1.4
Foods.....	ID5	3211	0.088	-2.1	-0.7	-0.7	-0.5	-0.1	-0.4
Energy.....	ID5	3212	5.884	0.9	-7.2	-0.8	9.1	-1.5	1.9
Goods excluding foods and energy.....	ID5	3213	3.977	1.1	0.0	0.3	0.3	0.3	0.6
Services.....	ID5	322	44.469	2.6	0.9	0.3	0.2	0.0	0.1
Trade services.....	ID5	3223	2.814	0.5	0.2	-1.3	-0.8	-0.4	-0.9
Transportation and warehousing services.....	ID5	3222	10.389	4.8	2.0	-0.2	1.1	-0.2	0.6
Transportation of passengers.....	ID5	32221	0.021	0.0	0.2	-0.1	0.2	0.1	-0.2
Transportation and warehousing of goods.....	ID5	32222	10.368	4.8	2.0	-0.2	1.1	-0.2	0.7
Services less trade, transportation, and warehousing.....	ID5	3221	31.266	2.1	0.6	0.5	0.0	0.1	0.1
Construction.....	ID5	323	0.605	3.0	0.0	0.3	0.1	0.6	0.2
Inputs to stage 3 construction producers.....	ID5	33	1.176	2.6	0.1	0.0	-0.5	-0.5	0.2
Goods.....	ID5	331	0.568	1.3	0.2	0.2	0.3	0.4	0.7
Goods excluding foods and energy.....	ID5	3313	0.568	1.3	0.2	0.2	0.3	0.4	0.7
Services.....	ID5	332	0.608	3.8	0.0	-0.2	-1.2	-1.3	-0.2
Trade services.....	ID5	3323	0.561	3.9	0.0	-0.3	-1.2	-1.5	-0.3
Transportation and warehousing services.....	ID5	3322	0.016	3.2	0.2	0.8	-0.6	0.1	0.6
Transportation and warehousing of goods.....	ID5	33222	0.016	3.2	0.2	0.8	-0.6	0.1	0.6
Services less trade, transportation, and warehousing.....	ID5	3321	0.031	2.7	0.4	0.8	-0.3	0.7	0.1
<b>Stage 2 Intermediate Demand</b>									

See footnotes at end of table.



**Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**  
 [April 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Apr. 2023 to Apr. 2024 <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>
Stage 2 intermediate demand.....	ID5	2	100.000	0.5	-1.1	1.1	0.0	-1.1	1.5
Inputs to stage 2 goods producers.....	ID5	21	50.555	-1.2	-2.8	1.7	-0.8	-2.2	3.1
Goods.....	ID5	211	35.815	-2.6	-3.8	2.0	-1.0	-3.1	4.2
Foods.....	ID5	2111	4.080	-16.5	-2.2	-4.7	-5.7	-1.3	-0.6
Energy.....	ID5	2112	15.983	1.9	-7.3	6.3	-1.3	-5.7	8.0
Goods excluding foods and energy.....	ID5	2113	15.752	-3.6	-0.2	-0.7	0.4	-0.7	1.6
Services.....	ID5	212	14.451	2.7	-0.1	0.9	-0.2	0.0	0.4
Trade services.....	ID5	2123	5.731	2.0	-1.0	1.3	-0.6	-0.3	-0.2
Transportation and warehousing services.....	ID5	2122	4.784	3.4	0.5	0.5	-0.1	0.2	1.2
Transportation of passengers.....	ID5	21221	0.180	0.0	2.5	-0.7	2.9	1.6	-3.6
Transportation and warehousing of goods.....	ID5	21222	4.604	3.5	0.5	0.5	-0.2	0.2	1.4
Services less trade, transportation, and warehousing.....	ID5	2121	3.936	2.9	0.4	0.8	0.5	0.3	0.1
Construction.....	ID5	213	0.289	3.0	0.0	0.3	0.1	0.6	0.2
Inputs to stage 2 services producers.....	ID5	22	49.447	2.4	0.6	0.5	0.8	0.0	0.0
Goods.....	ID5	221	5.262	-1.0	-0.3	-0.3	0.8	-0.3	0.4
Foods.....	ID5	2211	0.051	-10.0	-0.5	-0.6	-1.5	-0.5	-1.3
Energy.....	ID5	2212	0.322	-3.4	-3.0	0.2	7.8	-2.7	1.2
Goods excluding foods and energy.....	ID5	2213	4.889	-0.7	-0.1	-0.4	0.4	-0.2	0.3
Services.....	ID5	222	43.220	2.8	0.7	0.6	0.8	0.0	0.0
Trade services.....	ID5	2223	2.383	1.7	1.2	-2.8	-0.2	0.1	-3.2
Transportation and warehousing services.....	ID5	2222	2.817	2.9	5.6	-1.0	1.1	-1.0	0.3
Transportation of passengers.....	ID5	22221	0.417	0.0	2.6	-0.7	3.0	1.7	-3.7
Transportation and warehousing of goods.....	ID5	22222	2.400	3.4	6.1	-1.1	0.7	-1.4	1.0
Services less trade, transportation, and warehousing.....	ID5	2221	38.020	2.8	0.3	0.9	0.8	0.1	0.1
Construction.....	ID5	223	0.965	3.0	0.0	0.3	0.1	0.6	0.2
<b>Stage 1 Intermediate Demand</b>									
Stage 1 intermediate demand.....	ID5	1	100.000	0.5	-0.2	0.4	0.4	-0.2	0.2
Inputs to stage 1 goods producers.....	ID5	11	32.376	-3.8	-0.3	0.4	-0.2	-1.2	0.1
Goods.....	ID5	111	23.318	-5.1	-0.4	-0.4	0.7	-1.6	0.4
Foods.....	ID5	1111	2.758	-18.9	-1.0	-3.8	-3.8	1.0	-1.2
Energy.....	ID5	1112	3.446	-4.9	-3.5	-0.2	4.0	-3.6	0.5
Goods excluding foods and energy.....	ID5	1113	17.114	-2.6	0.3	0.1	0.8	-1.6	0.6
Services.....	ID5	112	9.057	-0.5	-0.1	2.5	-2.5	0.0	-0.5
Trade services.....	ID5	1123	5.505	-3.4	-0.7	3.8	-4.3	-0.4	-1.2
Transportation and warehousing services.....	ID5	1122	0.603	4.6	1.0	0.2	1.1	0.8	-0.3
Transportation of passengers.....	ID5	11221	0.103	0.0	2.6	-0.7	3.1	1.7	-3.8
Transportation and warehousing of goods.....	ID5	11222	0.500	5.7	0.7	0.3	0.7	0.6	0.4
Services less trade, transportation, and warehousing.....	ID5	1121	2.949	4.2	0.8	0.6	0.2	0.5	0.7
Construction.....	ID5	113	0.001	3.0	0.0	0.3	0.1	0.6	0.2
Inputs to stage 1 services producers.....	ID5	12	54.733	2.8	0.0	0.4	0.7	0.4	0.2
Goods.....	ID5	121	16.086	1.0	-1.2	-0.3	2.3	-0.1	0.8
Foods.....	ID5	1211	0.064	-31.7	0.0	0.0	13.1	-4.0	0.9
Energy.....	ID5	1212	5.040	0.8	-3.8	-1.4	6.8	-0.5	1.8
Goods excluding foods and energy.....	ID5	1213	10.982	1.3	0.1	0.2	0.2	0.1	0.3
Services.....	ID5	122	38.644	3.7	0.5	0.7	0.0	0.6	-0.1
Trade services.....	ID5	1223	3.829	1.2	0.5	-0.6	-1.1	-0.5	-0.7
Transportation and warehousing services.....	ID5	1222	4.412	2.6	0.8	-0.2	1.9	0.4	-0.9
Transportation of passengers.....	ID5	12221	1.343	0.0	2.6	-0.7	3.1	1.7	-3.8
Transportation and warehousing of goods.....	ID5	12222	3.069	3.8	0.0	0.1	1.4	-0.1	0.4
Services less trade, transportation, and warehousing.....	ID5	1221	30.403	4.1	0.4	0.9	-0.1	0.7	0.1
Construction.....	ID5	123	0.003	3.0	0.0	0.3	0.1	0.6	0.2
Inputs to stage 1 construction producers.....	ID5	13	12.891	2.0	-0.4	0.1	0.5	-0.1	0.2
Goods.....	ID5	131	9.205	2.0	-0.5	0.2	1.1	0.3	0.4
Energy.....	ID5	1312	0.754	-1.5	-8.7	-0.9	11.1	0.3	2.1
Goods excluding foods and energy.....	ID5	1313	8.451	2.3	0.3	0.3	0.2	0.3	0.2
Services.....	ID5	132	3.686	1.9	-0.2	-0.2	-0.9	-1.1	-0.2
Trade services.....	ID5	1323	2.807	2.6	0.2	-0.3	-1.4	-1.3	-0.5
Transportation and warehousing services.....	ID5	1322	0.783	-0.6	-1.4	-0.2	0.8	-0.5	0.5
Transportation and warehousing of goods.....	ID5	13222	0.783	-0.6	-1.4	-0.2	0.8	-0.5	0.5
Services less trade, transportation, and warehousing.....	ID5	1321	0.096	2.5	0.5	0.7	-0.6	0.4	0.4
<b>Special Groupings of Intermediate Demand by Production Flow</b>									
Total goods inputs to stage 4 intermediate demand.....	ID5	9411	46.071	0.1	0.0	-0.1	0.5	-0.2	0.3
Total services inputs to stage 4 intermediate demand.....	ID5	9412	53.875	3.7	0.4	1.2	-0.3	0.3	0.1
Total construction inputs to stage 4 intermediate demand.....	ID5	9413	0.053	3.0	0.0	0.3	0.1	0.6	0.2
Total foods inputs to stage 4 intermediate demand.....	ID5	9414	5.182	-4.3	0.1	-1.6	-0.8	0.6	0.0

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 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Apr. 2023 to Apr. 2024 <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 energy goods inputs to stage 4 intermediate demand.....	ID5	9415	4.994	0.6	-0.5	-1.8	3.7	-1.4	1.6
Total goods less foods and energy inputs to stage 4 intermediate demand. ....	ID5	9416	35.895	0.8	0.1	0.4	0.3	-0.1	0.2
Total goods inputs to stage 3 intermediate demand.....	ID5	9311	44.486	-2.3	-1.6	0.0	2.5	-0.3	0.4
Total services inputs to stage 3 intermediate demand.....	ID5	9312	54.908	1.8	0.7	0.5	-0.3	0.0	0.0
Total construction inputs to stage 3 intermediate demand.....	ID5	9313	0.605	3.0	0.0	0.3	0.1	0.6	0.2
Total foods inputs to stage 3 intermediate demand.....	ID5	9314	10.425	-6.4	-2.8	-1.3	3.6	1.4	-0.4
Total energy goods inputs to stage 3 intermediate demand.....	ID5	9315	7.048	-0.3	-6.6	-0.6	7.3	-1.5	1.4
Total goods less foods and energy inputs to stage 3 intermediate demand. ....	ID5	9316	27.013	-1.2	0.3	0.7	0.8	-0.6	0.4
Total goods inputs to stage 2 intermediate demand.....	ID5	9211	41.077	-2.4	-3.4	1.7	-0.8	-2.7	3.7
Total services inputs to stage 2 intermediate demand.....	ID5	9212	57.671	2.8	0.5	0.6	0.6	0.0	0.1
Total construction inputs to stage 2 intermediate demand.....	ID5	9213	1.254	3.0	0.0	0.3	0.1	0.6	0.2
Total foods inputs to stage 2 intermediate demand.....	ID5	9214	4.131	-16.4	-2.2	-4.7	-5.6	-1.3	-0.6
Total energy goods inputs to stage 2 intermediate demand.....	ID5	9215	16.305	1.8	-7.3	6.1	-1.1	-5.7	7.9
Total goods less foods and energy inputs to stage 2 intermediate demand. ....	ID5	9216	20.641	-2.9	-0.2	-0.6	0.4	-0.6	1.3
Total goods inputs to stage 1 intermediate demand.....	ID5	9111	48.609	-1.8	-0.7	-0.2	1.3	-0.7	0.5
Total services inputs to stage 1 intermediate demand.....	ID5	9112	51.387	2.8	0.3	0.9	-0.5	0.3	-0.2
Total construction inputs to stage 1 intermediate demand.....	ID5	9117	0.004	3.0	0.0	0.3	0.1	0.6	0.2
Total foods inputs to stage 1 intermediate demand.....	ID5	9114	2.822	-19.3	-1.0	-3.7	-3.4	0.8	-1.2
Total energy goods inputs to stage 1 intermediate demand.....	ID5	9115	9.240	-1.5	-4.1	-0.9	6.1	-1.6	1.4
Total goods less foods and energy inputs to stage 1 intermediate demand. ....	ID5	9116	36.547	-0.3	0.3	0.2	0.5	-0.6	0.4

<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 2024]

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	2.2	-0.1	0.3	0.6	-0.1	0.5
Final demand goods.....	FD	41	1.3	-0.1	-0.1	1.1	-0.2	0.4
Final demand foods.....	FD	411	0.5	0.0	-0.3	1.0	0.4	-0.7
Fresh fruits and melons <sup>2</sup> .....	01	11	-7.5	-0.6	3.7	-12.7	-7.9	7.3
Fresh and dry vegetables <sup>2</sup> .....	01	13	-23.9	-5.6	9.6	8.9	15.3	-18.7
Grains.....	01	2	-35.6	-1.4	-5.2	-8.3	2.6	-4.5
Eggs for fresh use <sup>2</sup> .....	01	7107	21.7	-20.5	14.6	55.0	-29.8	11.2
Oilseeds.....	01	8301	-21.3	-3.8	-9.2	-8.9	0.4	-1.0
Bakery products <sup>2</sup> .....	02	11	3.3	0.0	0.1	0.7	0.2	0.0
Milled rice <sup>2</sup> .....	02	13	-7.3	-0.1	-0.8	0.1	0.7	0.6
Pasta products <sup>2</sup> .....	02	1402	-3.2	0.0	-1.8	-0.6	0.0	0.0
Beef and veal.....	02	2101	10.8	0.5	-4.4	4.9	1.2	-5.9
Pork.....	02	2104	18.3	20.5	-5.8	-0.2	-0.9	-0.4
Processed young chickens.....	02	2203	6.8	3.8	-2.1	-1.6	2.4	1.5
Processed turkeys <sup>2</sup> .....	02	2206	-26.5	-2.7	4.3	-2.9	0.4	-0.8
Finfish and shellfish.....	02	23	-0.2	-0.3	5.7	-4.8	2.0	2.8
Dairy products <sup>2</sup> .....	02	3	-0.9	-1.4	-1.2	1.0	1.0	-0.3
Processed fruits and vegetables <sup>2</sup> .....	02	4	5.8	0.1	0.6	0.0	-1.1	0.2
Confectionery end products <sup>2</sup> .....	02	55	3.5	0.2	0.3	0.8	0.5	0.5
Soft drinks <sup>2</sup> .....	02	62	5.5	-1.1	3.3	2.1	0.2	-0.2
Roasted coffee <sup>2</sup> .....	02	6301	5.4	0.3	-0.2	-0.2	-0.1	-0.7
Shortening and cooking oils <sup>2</sup> .....	02	78	-2.7	-1.8	-0.9	0.3	1.5	-0.3
Frozen specialty food <sup>2</sup> .....	02	85	1.4	-0.1	0.7	0.2	-0.1	-0.1
Final demand energy.....	FD	412	1.0	-0.8	-1.2	3.8	-1.3	2.0
Liquefied petroleum gas <sup>2</sup> .....	05	32	9.1	-0.8	3.5	-0.3	2.9	5.7
Residential electric power.....	05	41	4.5	0.5	-0.4	0.3	0.7	0.3
Residential natural gas.....	05	51	-2.3	-0.1	1.4	0.8	-1.4	-3.2
Gasoline.....	05	71	-1.9	2.1	-3.4	6.3	-3.0	5.4
Home heating oil and distillates.....	05	7302	4.8	-3.4	-0.6	-1.7	-2.7	2.0
No. 2 diesel fuel.....	05	7303	2.4	-9.3	-0.7	14.9	1.8	3.0
Final demand goods less foods and energy.....	FD	413	1.6	0.1	0.2	0.4	0.0	0.3
Alcoholic beverages.....	02	61	1.2	0.2	0.0	-0.2	0.0	0.2
Pet food <sup>2</sup> .....	02	9402	0.1	0.0	-0.2	0.5	0.0	-0.1
Women's, girls', and infants' apparel <sup>2</sup> .....	03	8106	1.7	0.0	2.2	0.0	0.0	0.0
Men's and boys' apparel <sup>2</sup> .....	03	8107	2.3	0.0	0.9	0.3	0.0	-0.3
Textile housefurnishings <sup>2</sup> .....	03	82	0.8	0.0	0.0	1.0	-0.2	0.2
Footwear <sup>2</sup> .....	04	3	1.9	0.0	0.2	0.6	0.0	0.8
Industrial chemicals.....	06	1	-6.4	-1.5	-3.4	2.4	0.3	2.6
Pharmaceutical preparations.....	06	38	1.5	0.2	-0.4	0.2	0.1	0.2
Soaps and detergents <sup>2</sup> .....	06	71	1.8	1.1	0.1	0.4	0.1	0.2
Cleaning and polishing products <sup>2</sup> .....	06	72	0.8	0.0	0.1	0.4	0.1	0.3
Cosmetics and other toiletries <sup>2</sup> .....	06	75	1.8	0.0	0.0	0.6	0.1	0.0
Tires <sup>2</sup> .....	07	1201	-1.0	0.0	0.0	0.0	-0.1	0.0
Consumer, institutional, and commercial products, n.e.c. <sup>2</sup> .....	07	2B	0.3	-0.1	0.0	0.1	0.3	0.2
Sanitary paper products <sup>2</sup> .....	09	1501	-2.7	-1.3	-0.2	0.2	-0.6	0.2
Iron and steel scrap.....	10	12	-15.9	-0.9	-3.9	-3.9	-15.8	4.6
Agricultural machinery and equipment <sup>2</sup> .....	11	1	1.9	0.2	0.0	0.1	0.5	0.3
Construction machinery and equipment <sup>2</sup> .....	11	2	4.1	0.1	0.5	0.2	0.0	0.4
Metal cutting machine tools <sup>2</sup> .....	11	37	1.2	0.0	0.2	0.1	0.0	0.0
Metal forming machine tools.....	11	38	11.0	0.6	0.4	0.9	0.6	0.6
Tools, dies, jigs, fixtures, and industrial molds <sup>2</sup> .....	11	39	5.8	0.2	3.0	0.3	0.0	0.3
Pumps, compressors, and equipment <sup>2</sup> .....	11	41	6.3	0.5	1.1	0.4	0.7	0.1
Industrial material handling equipment <sup>2</sup> .....	11	44	5.2	0.0	1.3	0.1	0.2	2.4
Electronic computers and computer equipment <sup>2</sup> .....	11	5	1.0	0.7	0.6	0.0	-0.2	0.6
Textile machinery and equipment <sup>2</sup> .....	11	62	0.0	0.0	0.0	0.0	0.0	0.0
Paper industries machinery <sup>2</sup> .....	11	64	3.8	0.3	0.7	0.3	0.6	0.0
Printing trades machinery and equipment <sup>2</sup> .....	11	65	1.9	0.6	-0.1	-0.6	0.5	-0.2
Transformers and power regulators <sup>2</sup> .....	11	74	2.6	1.6	0.7	0.0	0.4	-1.2
Communication and related equipment.....	11	76	4.1	0.2	2.1	0.5	0.5	-0.2
Electronic components and accessories.....	11	78	1.3	0.0	0.6	0.0	-0.1	0.4
X-ray and electromedical equipment <sup>2</sup> .....	11	7905	1.8	0.0	0.1	0.5	0.0	0.0
Oil field and gas field machinery <sup>2</sup> .....	11	91	3.9	1.4	1.7	0.0	0.0	0.0
Mining machinery and equipment <sup>2</sup> .....	11	92	7.5	0.0	0.2	1.4	0.0	0.6
Internal combustion engines <sup>2</sup> .....	11	94	4.5	0.0	2.0	0.0	0.0	0.4

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 2024]

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. 2023 to Apr. 2024 <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	-1.4	0.0	0.1	-0.1	0.3	0.0
Commercial furniture <sup>2</sup> .....	12	2	2.3	-0.7	0.3	1.4	0.1	-0.4
Floor coverings <sup>2</sup> .....	12	3	1.0	-0.3	1.5	-1.9	1.8	0.0
Household appliances <sup>2</sup> .....	12	4	1.0	-0.2	0.0	-0.3	0.3	-0.2
Home electronic equipment <sup>2</sup> .....	12	5	2.1	0.0	0.0	0.0	1.9	0.0
Lawn and garden equipment excl. garden tractors <sup>2</sup> .....	12	66	1.6	0.6	0.1	-0.1	0.2	0.0
Passenger cars.....	14	1101	-2.1	-2.4	0.0	0.2	0.3	0.2
Light motor trucks.....	14	1105	1.5	0.0	0.2	0.3	0.4	0.0
Heavy motor trucks <sup>2</sup> .....	14	1106	1.1	0.1	0.0	0.0	0.0	0.0
Motor vehicles parts <sup>2</sup> .....	14	12	1.1	-0.1	0.2	0.1	0.2	0.1
Truck trailers <sup>2</sup> .....	14	14	-1.6	0.0	-0.3	0.6	-0.1	-0.4
Travel trailers and campers <sup>2</sup> .....	14	16	0.6	0.0	0.0	0.0	0.0	0.0
Aircraft.....	14	21	4.3	0.2	0.5	0.2	0.1	0.1
Ships <sup>2</sup> .....	14	31	2.7	0.1	0.0	0.3	0.0	0.3
Railroad equipment <sup>2</sup> .....	14	4	0.9	0.0	0.1	0.1	0.1	0.0
Toys, games, and children's vehicles <sup>2</sup> .....	15	11	0.2	0.0	0.1	0.0	0.0	0.0
Sporting and athletic goods <sup>2</sup> .....	15	12	11.9	2.1	1.2	0.3	2.0	0.0
Cigarettes <sup>2</sup> .....	15	21	11.2	0.0	0.8	2.4	0.0	0.0
Mobile homes.....	15	5	-0.7	-0.1	0.3	0.0	-0.4	-0.8
Medical, surgical & personal aid devices.....	15	6	2.7	0.1	0.6	0.5	0.1	0.0
Jewelry, platinum and karat gold <sup>2</sup> .....	15	9402	5.9	2.6	0.5	-0.2	1.9	2.4
Costume jewelry and novelties <sup>2</sup> .....	15	9404	1.5	0.0	0.6	0.0	0.0	0.0
Final demand services.....	FD	42	2.7	-0.1	0.5	0.4	-0.1	0.6
Final demand trade services <sup>3</sup> .....	FD	423	-0.3	-1.2	0.1	0.3	-1.0	0.8
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	7.6	-0.2	1.4	0.3	-1.5	1.3
Machinery and vehicle wholesaling <sup>2</sup> .....	57	1103	5.5	-8.2	4.7	1.4	-2.6	5.9
Professional and commercial equipment wholesaling <sup>2</sup> .....	57	1104	0.0	1.1	0.1	1.1	-2.9	0.5
Furnishings wholesaling <sup>2</sup> .....	57	2	-6.9	0.1	0.3	0.2	-0.1	0.0
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	-2.1	-5.8	10.4	-3.9	-1.7	-0.5
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-2.4	1.1	-1.1	-2.4	-0.6	0.0
Apparel wholesaling <sup>2</sup> .....	57	7	-3.4	-8.4	1.4	-3.4	7.2	-4.9
Food and alcohol wholesaling <sup>2</sup> .....	57	8	4.2	-1.2	0.7	1.1	0.7	0.7
Food and alcohol retailing.....	58	1	1.9	1.0	0.0	0.9	-0.1	0.5
Health, beauty, and optical goods retailing <sup>2</sup> .....	58	2	4.4	2.9	3.4	1.2	-3.5	0.5
Apparel, jewelry, footwear, and accessories retailing.....	58	3	6.4	5.0	-2.0	1.4	0.7	-0.2
Computer hardware, software, and supplies retailing <sup>2</sup> .....	58	4	-16.4	5.9	-24.0	-8.5	12.5	12.4
TV, video, and photographic equipment and supplies retailing.....	58	5	-5.1	-6.8	3.3	-3.3	-6.9	-1.9
Automobiles retailing (partial).....	58	6101	-33.1	-5.3	-10.4	-1.8	-4.4	4.3
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	2.4	1.5	0.1	-2.0	-1.7	-0.5
RVs, trailers, and campers retailing <sup>2</sup> .....	58	8	-1.4	-6.1	-8.9	13.3	6.9	-1.0
Sporting goods, including boats, retailing.....	58	9	0.3	4.2	4.8	-2.4	-0.7	1.6
Lawn, garden, and farm equipment and supplies retailing <sup>2</sup> .....	58	A	1.4	0.3	-0.7	-1.6	1.1	0.2
Furniture retailing <sup>2</sup> .....	58	B	-6.7	0.6	-0.6	2.0	-2.1	0.4
Flooring and floor coverings retailing <sup>2</sup> .....	58	C	1.1	-2.7	2.3	1.6	-0.5	0.0
Hardware, building materials, and supplies retailing.....	58	D	12.2	-0.6	-1.3	-1.3	-2.2	1.0
Major household appliances retailing.....	58	E	-6.9	-4.1	-4.9	6.6	-6.5	-1.6
Fuels and lubricants retailing.....	58	F	-3.1	4.5	-7.7	-0.6	2.5	-11.0
Cleaning supplies and paper products retailing <sup>2</sup> .....	58	G	0.7	-0.1	2.2	-0.8	-0.5	-1.2
Book retailing <sup>2</sup> .....	58	H	0.8	0.1	3.7	-3.4	2.8	-1.2
Final demand transportation and warehousing services.....	FD	422	0.3	-0.2	-0.2	1.3	0.2	-0.6
Rail transportation of freight and mail <sup>2</sup> .....	30	11	1.8	-0.1	1.1	-1.4	-0.1	0.9
Truck transportation of freight <sup>2</sup> .....	30	12	-1.0	-1.6	-0.2	0.8	-0.5	0.5
Air transportation of freight <sup>2</sup> .....	30	14	0.6	-1.1	-0.8	-0.6	0.3	0.0
Courier, messenger, and U.S. postal services.....	30	16	5.4	0.3	0.3	1.3	0.0	0.3
Rail transportation of passengers.....	30	21	0.0	0.1	-0.1	0.0	0.0	0.0
Airline passenger services.....	30	22	0.0	2.6	-0.7	3.1	1.7	-3.8
Final demand services less trade, transportation, and warehousing.....	FD	421	4.4	0.5	0.8	0.3	0.3	0.6
Sales of books.....	33	11	7.5	0.7	0.8	1.9	-0.3	0.1
Sales and subscriptions of periodicals and newspapers.....	33	12	2.3	1.1	-0.3	0.8	-0.4	0.1
Application software publishing <sup>2</sup> .....	34	2	4.2	1.9	1.2	-0.6	-0.4	0.0
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-0.9	0.1	0.1	0.2	0.0	0.4
Residential wired telecommunication services <sup>2</sup> .....	37	11	3.6	0.1	0.2	-0.1	0.0	0.7
Wireless telecommunication services.....	37	2	1.0	0.1	0.1	0.0	0.1	0.1
Cable and satellite subscriber services.....	37	3	5.0	-0.1	0.8	0.8	-1.1	1.6
Internet access services <sup>2</sup> .....	37	4	-0.1	-0.3	0.8	0.5	0.0	0.4

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 2024]

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. 2023 to Apr. 2024 <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	2.8	1.9	1.6	0.4	-0.3	3.1
Consumer loans (partial).....	39	12	13.1	4.2	0.6	3.0	1.0	3.4
Deposit services (partial) <sup>2</sup> .....	39	2	19.0	3.2	0.9	1.1	2.7	-0.1
Other credit intermediation, incl. trust services (partial) <sup>2</sup> .....	39	3	-2.3	-0.2	0.0	1.3	0.0	-3.4
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> ...	40	1	10.9	2.7	0.7	0.5	2.7	0.0
Portfolio management <sup>2</sup> .....	40	2	13.7	1.6	6.5	0.2	0.6	3.9
Life insurance <sup>2</sup> .....	41	1101	-2.6	0.0	-0.5	-0.3	0.0	-0.7
Disability insurance, including accidental death <sup>2</sup> .....	41	1102	-0.5	0.0	-0.5	0.0	0.0	0.0
Health and medical insurance.....	41	1103	2.3	0.1	0.1	0.2	0.2	0.2
Property and casualty insurance <sup>2</sup> .....	41	1104	7.0	1.2	0.4	0.4	0.4	0.1
Annuities <sup>2</sup> .....	41	2	0.8	-0.1	0.2	0.0	0.0	0.4
Residential property sales and leases, brokerage fees and commissions...	43	21	6.8	0.5	0.0	-0.1	0.0	2.1
Passenger car rental.....	44	1	-1.5	1.3	-3.0	-2.0	4.0	2.4
Legal services.....	45	1	6.7	0.4	2.2	0.6	0.1	0.5
Tax preparation and planning.....	45	2102	4.4	-1.0	0.0	3.5	1.0	0.5
Architectural and engineering services.....	45	3	2.8	0.1	0.0	0.0	0.0	0.7
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	5.8	0.8	-0.2	-0.4	0.2	3.2
Arrangement of flights (partial).....	47	1	2.2	-0.2	-0.9	0.0	-0.2	0.8
Arrangement of vehicle rentals and lodging <sup>2</sup> .....	47	2	-5.0	-0.1	-1.4	0.1	-0.1	1.0
Arrangement of cruises and tours <sup>2</sup> .....	47	3	7.1	-1.5	-0.9	1.6	-1.2	0.3
Physician care.....	51	1101	1.6	0.1	0.7	0.0	0.2	0.2
Medical laboratory and diagnostic imaging care <sup>2</sup> .....	51	1102	0.2	0.0	0.2	0.0	-0.2	0.1
Home health and hospice care.....	51	1103	2.6	0.3	-0.2	0.1	0.0	0.1
Hospital outpatient care <sup>2</sup> .....	51	1104	4.0	-0.4	1.4	0.5	0.1	-0.1
Dental care.....	51	1105	4.3	0.2	0.0	1.4	-0.1	2.0
Hospital inpatient care.....	51	2101	4.6	0.6	0.7	0.3	0.0	0.2
Nursing home care.....	51	2102	3.3	0.1	0.1	0.0	0.2	0.3
Traveler accommodation services.....	53	11	-1.2	-4.2	3.0	-0.8	-1.4	2.4
Food and beverages for immediate consumption services (partial) <sup>2</sup> .....	54	1	4.6	0.0	0.1	0.5	1.2	0.3
Motor vehicle repair and maintenance (partial) <sup>2</sup> .....	55	2	4.3	0.2	0.4	0.5	0.4	0.5
Membership dues and admissions and recreation facility use fees (partial) <sup>2</sup> .....	56	1	4.7	2.3	0.1	0.0	1.7	-0.4
Recreational activity instruction fees (partial) <sup>2</sup> .....	56	2	0.8	0.0	0.6	0.0	0.0	0.0
Gaming receipts (partial) <sup>2</sup> .....	56	3	0.3	1.8	-1.6	0.2	2.5	-2.9
Mining services <sup>2</sup> .....	60	1	2.2	1.1	-0.2	0.4	0.3	0.2
Final demand construction.....	FD	43	-0.8	0.0	0.3	0.0	0.1	0.1
New warehouse building construction <sup>2</sup> .....	80	1101	-0.3	-0.1	0.0	-0.1	0.1	0.4
New school building construction <sup>2</sup> .....	80	1102	-0.7	-0.1	0.5	0.0	-0.1	0.3
New office building construction <sup>2</sup> .....	80	1103	-1.4	0.2	0.3	0.0	0.4	0.0
New industrial building construction <sup>2</sup> .....	80	1104	-0.5	0.0	0.4	-0.1	0.0	-0.2
New health care building construction <sup>2</sup> .....	80	1105	-1.5	0.1	0.2	0.0	-0.2	0.0
<b>Intermediate Demand by Commodity Type</b>								
Processed goods for intermediate demand.....	ID6	1	-0.5	-0.4	-0.1	1.4	-0.5	0.6
Processed foods and feeds.....	ID6	9112	-2.5	0.1	-1.6	0.3	0.2	-0.2
Meats.....	02	21	10.1	4.8	-3.6	2.3	0.6	-2.2
Processed poultry.....	02	22	1.7	1.2	-1.2	0.4	4.2	2.6
Dairy products <sup>2</sup> .....	02	3	-0.9	-1.4	-1.2	1.0	1.0	-0.3
Processed fruits and vegetables <sup>2</sup> .....	02	4	5.8	0.1	0.6	0.0	-1.1	0.2
Refined sugar and byproducts <sup>2</sup> .....	02	53	18.5	0.1	2.6	8.7	1.7	-0.5
Fats and oils <sup>2</sup> .....	02	7	-9.9	-1.6	-3.0	-2.1	-0.1	-0.7
Prepared animal feeds.....	02	9	-10.2	-0.7	-2.5	-2.3	-2.0	-0.4
Processed materials less foods and feeds.....	ID6	9111	-0.4	-0.5	0.0	1.5	-0.5	0.6
Synthetic fibers <sup>2</sup> .....	03	1	0.8	-1.2	-1.6	0.4	5.1	-2.6
Processed yarns and threads <sup>2</sup> .....	03	2	-0.8	0.2	0.4	-0.3	0.8	0.3
Finished fabrics <sup>2</sup> .....	03	4	0.4	0.2	0.1	0.1	0.5	0.2
Liquefied petroleum gas <sup>2</sup> .....	05	32	9.1	-0.8	3.5	-0.3	2.9	5.7
Commercial electric power.....	05	42	2.7	1.1	-2.2	2.4	-1.0	1.2
Industrial electric power.....	05	43	5.6	1.2	-2.0	2.3	-0.3	1.1
Commercial natural gas.....	05	52	-4.1	2.0	-0.2	2.1	0.4	-2.9
Industrial natural gas.....	05	53	-4.9	-0.3	3.6	-0.7	0.7	-3.6
Natural gas to electric utilities.....	05	54	-7.2	-0.3	4.8	7.3	-6.7	-2.2
Gasoline.....	05	71	-1.9	2.1	-3.4	6.3	-3.0	5.4
Jet fuel <sup>2</sup> .....	05	7203	3.8	-12.1	0.4	9.8	-5.4	0.3
No. 2 diesel fuel.....	05	7303	2.4	-9.3	-0.7	14.9	1.8	3.0
Residual fuels <sup>2</sup> .....	05	74	14.1	-7.1	-0.2	1.8	0.5	1.1

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 2024]

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. 2023 to Apr. 2024 <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	0.1	0.7	0.3	-0.1	-0.8	0.0
Lubricating oil base stocks <sup>2</sup> .....	05	78	-21.0	-7.3	-3.6	-0.4	-4.7	-7.9
Asphalt.....	05	8102	3.7	4.3	2.7	-13.7	8.8	-5.4
Basic inorganic chemicals <sup>2</sup> .....	06	13	-10.7	-0.2	-1.1	-0.7	0.2	0.4
Basic organic chemicals.....	06	14	-5.3	-1.8	-3.9	3.1	0.4	3.1
Prepared paint <sup>2</sup> .....	06	21	-1.3	0.0	0.1	-0.1	-0.1	-0.2
Paint materials <sup>2</sup> .....	06	22	-1.9	-0.5	-0.5	0.1	0.2	0.0
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	5.0	-0.2	0.4	3.9	0.1	0.2
Biological products, including diagnostics.....	06	37	1.4	-0.3	-0.9	-0.3	0.4	0.2
Fats and oils, inedible <sup>2</sup> .....	06	4	1.3	-1.9	17.2	-5.0	-0.7	-0.5
Nitrogenates.....	06	5201	-11.3	4.5	-3.4	-6.1	4.2	0.3
Phosphates.....	06	5202	-4.1	2.9	3.9	0.8	-1.6	-1.8
Other agricultural chemicals <sup>2</sup> .....	06	53	-12.2	0.5	-0.3	0.0	0.1	0.0
Plastic resins and materials.....	06	6	-6.3	1.1	-0.6	0.8	-1.4	1.4
Industrial gases <sup>2</sup> .....	06	7903	6.8	0.8	2.3	-4.7	3.3	4.5
Adhesives and sealants <sup>2</sup> .....	06	7904	-0.1	-0.2	0.1	-0.5	0.7	0.1
Synthetic rubber <sup>2</sup> .....	07	1102	-0.1	-1.5	-1.6	1.2	3.6	4.3
Tires <sup>2</sup> .....	07	1201	-1.0	0.0	0.0	0.0	-0.1	0.0
Plastic construction products <sup>2</sup> .....	07	21	-1.2	-0.4	0.5	-0.2	0.0	0.6
Unsupported plastic film, sheet, other shapes <sup>2</sup> .....	07	22	-3.5	0.5	-1.1	0.7	0.2	1.0
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	-0.8	-0.1	0.1	-0.1	0.8	0.0
Plastic packaging products <sup>2</sup> .....	07	2A	-0.8	-0.3	0.8	-0.5	0.3	0.6
Softwood lumber.....	08	11	-4.3	-1.7	-1.7	-3.2	1.9	6.2
Hardwood lumber <sup>2</sup> .....	08	12	1.4	4.1	0.1	-0.1	-1.3	1.8
Millwork.....	08	2	-0.3	0.0	-0.1	1.2	-0.6	0.2
Plywood <sup>2</sup> .....	08	3	1.4	1.0	-0.1	-1.2	-0.2	1.1
Paper <sup>2</sup> .....	09	13	-1.2	0.1	0.3	0.3	-0.2	0.3
Paperboard <sup>2</sup> .....	09	14	-4.2	-1.5	0.7	-0.2	0.2	0.7
Paper boxes and containers <sup>2</sup> .....	09	1503	-2.3	-0.1	-0.5	0.0	-0.4	0.7
Building paper and board <sup>2</sup> .....	09	2	21.7	3.0	0.1	-0.5	7.0	5.6
Commercial printing <sup>2</sup> .....	09	47	1.8	0.0	0.8	0.2	0.1	-0.2
Foundry and forge shop products <sup>2</sup> .....	10	15	0.7	0.9	0.7	0.6	0.4	-0.3
Steel mill products <sup>2</sup> .....	10	17	-9.8	2.4	5.3	3.5	-8.1	-2.7
Primary nonferrous metals <sup>2</sup> .....	10	22	7.1	-1.5	0.6	2.4	1.1	3.2
Secondary nonferrous metals <sup>2</sup> .....	10	24	-2.4	0.0	0.2	-0.9	2.7	2.8
Aluminum mill shapes <sup>2</sup> .....	10	2501	-4.4	-0.3	-0.7	0.2	-0.5	0.5
Copper and brass mill shapes <sup>2</sup> .....	10	2502	2.1	1.0	0.8	-0.8	1.9	4.7
Nonferrous wire and cable <sup>2</sup> .....	10	26	-0.1	0.4	-0.1	0.1	0.6	3.0
Nonferrous foundry shop products.....	10	28	2.1	0.7	0.1	0.9	0.2	-0.1
Metal containers <sup>2</sup> .....	10	3	-2.6	0.0	0.4	0.2	-0.1	-0.1
Hardware <sup>2</sup> .....	10	4	-0.6	-0.5	-0.3	0.6	-0.5	-0.1
Plumbing fixtures and brass fittings.....	10	5	1.8	-0.3	0.6	-0.3	0.2	0.2
Heating equipment <sup>2</sup> .....	10	6	2.5	0.2	0.1	0.2	1.0	0.5
Fabricated structural metal products.....	10	7	1.1	1.2	0.8	-0.5	-0.8	0.0
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	9.4	0.0	1.8	1.7	0.5	0.7
Lighting fixtures <sup>2</sup> .....	10	83	2.1	0.1	0.0	0.3	0.8	-0.1
Fabricated ferrous wire products.....	10	88	-5.2	-0.4	0.2	0.0	-0.3	-0.4
Other miscellaneous metal products <sup>2</sup> .....	10	89	1.5	0.0	0.3	0.3	0.0	0.3
Fluid power equipment <sup>2</sup> .....	11	43	4.0	0.0	1.0	0.3	-0.1	1.6
Mechanical power transmission equipment <sup>2</sup> .....	11	45	4.0	0.0	0.4	0.6	0.6	0.0
Air conditioning and refrigeration equipment.....	11	48	2.6	0.0	-1.3	1.2	-0.7	0.8
Metal valves, except fluid power.....	11	4902	2.8	0.4	-1.6	0.4	0.1	0.3
Ball and roller bearings <sup>2</sup> .....	11	4905	2.9	0.6	0.3	2.5	0.2	0.0
Wiring devices <sup>2</sup> .....	11	71	-4.5	-0.5	-0.6	0.6	0.0	0.1
Motors, generators, motor generator sets <sup>2</sup> .....	11	73	3.9	0.0	0.3	0.0	1.2	0.0
Switchgear, switchboard, and industrial controls equip. <sup>2</sup> .....	11	75	6.6	0.2	1.2	0.5	0.7	0.1
Electronic components and accessories.....	11	78	1.3	0.0	0.6	0.0	-0.1	0.4
Internal combustion engines <sup>2</sup> .....	11	94	4.5	0.0	2.0	0.0	0.0	0.4
Machine shop products <sup>2</sup> .....	11	95	1.8	-0.1	0.2	0.9	0.1	0.1
Flat glass <sup>2</sup> .....	13	11	-0.5	0.6	0.0	0.1	-0.1	0.0
Cement.....	13	22	7.0	0.7	0.3	0.3	1.4	-0.3
Concrete products.....	13	3	6.7	-0.3	0.9	0.8	0.9	-0.2
Asphalt felts and coatings <sup>2</sup> .....	13	6	2.1	0.3	-0.3	0.9	0.1	-1.8
Paving mixtures and blocks.....	13	94	1.8	0.9	-0.2	-0.4	1.0	-0.2
Motor vehicle parts <sup>2</sup> .....	14	12	1.1	-0.1	0.2	0.1	0.2	0.1
Aircraft engines and engine parts.....	14	23	3.2	0.4	0.5	0.5	0.1	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 2024]

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. 2023 to Apr. 2024 <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	2.6	0.0	0.2	0.3	0.1	1.1
Medical, surgical, and personal aid devices.....	15	6	2.7	0.1	0.6	0.5	0.1	0.0
Unprocessed goods for intermediate demand.....	ID6	2	-4.6	-4.1	1.5	-0.4	-1.9	3.2
Unprocessed foodstuffs and feedstuffs.....	ID6	21	-7.9	-3.3	-1.5	1.6	1.6	-0.2
Wheat <sup>2</sup> .....	01	21	-29.7	2.5	-2.8	-5.2	-0.8	-2.1
Corn.....	01	2202	-37.2	-2.0	-6.5	-9.2	4.1	-4.9
Slaughter cattle.....	01	31	9.7	-3.2	1.3	1.6	7.7	-2.5
Slaughter hogs.....	01	32	30.1	-18.8	-2.9	35.6	4.6	22.4
Slaughter chickens.....	01	4102	-5.6	4.8	-3.3	2.0	-4.1	-5.3
Slaughter turkeys.....	01	42	-39.6	1.3	14.1	-7.5	0.3	-12.9
Raw milk.....	01	6	2.0	-5.1	1.1	5.1	0.1	0.6
Hay and hayseeds <sup>2</sup> .....	01	81	-20.3	-17.5	-2.0	-3.4	2.2	5.2
Oilseeds.....	01	8301	-21.3	-3.8	-9.2	-8.9	0.4	-1.0
Raw cane sugar and byproducts <sup>2</sup> .....	02	5201	6.2	-0.3	-2.3	0.8	1.4	0.6
Unprocessed nonfood materials.....	ID6	22	-2.3	-4.6	3.4	-1.6	-4.0	5.3
Raw cotton <sup>2</sup> .....	01	51	-1.5	3.6	-0.4	12.7	1.3	-11.5
Hides and skins.....	04	1	-14.4	-3.0	0.0	-7.1	1.1	1.9
Coal <sup>2</sup> .....	05	1	-5.0	-1.4	0.4	6.2	-10.8	-0.3
Natural gas <sup>2</sup> .....	05	31	-25.5	0.2	16.5	-25.7	-35.6	-0.9
Crude petroleum <sup>2</sup> .....	05	61	7.6	-10.6	4.4	5.5	1.1	10.6
Logs, bolts, timber, pulpwood, and woodchips <sup>2</sup> .....	08	5	-2.1	-0.3	0.1	-0.5	0.0	0.0
Recyclable paper <sup>2</sup> .....	09	12	90.8	2.7	8.0	12.9	10.2	-0.7
Iron ores <sup>2</sup> .....	10	11	-7.7	-0.3	0.6	0.7	-1.3	-0.4
Iron and steel scrap.....	10	12	-15.9	-0.9	-3.9	-3.9	-15.8	4.6
Nonferrous metal ores <sup>2</sup> .....	10	21	-1.7	1.0	-1.0	-1.0	2.8	2.8
Copper base scrap <sup>2</sup> .....	10	2301	6.9	1.8	-0.4	1.6	4.1	5.9
Aluminum base scrap.....	10	2302	10.3	-1.0	-0.7	2.1	-1.3	2.3
Construction sand, gravel, and crushed stone.....	13	21	7.2	0.5	2.5	-0.1	0.3	0.7
Services for intermediate demand.....	ID6	3	3.0	0.5	0.8	0.0	0.2	0.1
Trade services for intermediate demand <sup>3</sup> .....	ID6	33	0.8	-0.3	1.1	-1.7	-0.5	-0.5
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	7.6	-0.2	1.4	0.3	-1.5	1.3
Building materials, paint, and hardware wholesaling.....	57	3	-6.8	-1.5	2.8	-0.7	-2.0	-2.3
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-13.7	4.4	5.5	-14.7	2.7	-3.1
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	-2.1	-5.8	10.4	-3.9	-1.7	-0.5
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-2.4	1.1	-1.1	-2.4	-0.6	0.0
Food wholesaling <sup>2</sup> .....	57	8101	3.9	-1.4	0.9	1.1	0.2	0.8
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	2.4	1.5	0.1	-2.0	-1.7	-0.5
Hardware, building material, and supplies retailing.....	58	D	12.2	-0.6	-1.3	-1.3	-2.2	1.0
Transportation and warehousing services for intermediate demand.....	ID6	32	3.0	1.0	0.0	1.0	0.0	0.4
Rail transportation of freight and mail <sup>2</sup> .....	30	11	1.8	-0.1	1.1	-1.4	-0.1	0.9
Truck transportation of freight <sup>2</sup> .....	30	12	-1.0	-1.6	-0.2	0.8	-0.5	0.5
Water transportation of freight <sup>2</sup> .....	30	13	10.4	2.2	1.1	2.0	0.8	0.0
Air transportation of freight <sup>2</sup> .....	30	14	0.6	-1.1	-0.8	-0.6	0.3	0.0
U.S. Postal Service <sup>2</sup> .....	30	1601	7.1	0.0	0.0	3.2	0.0	0.0
Courier and messenger services, except air mail.....	30	1602	4.6	0.5	0.1	0.0	0.3	0.4
Air mail and package delivery services, excluding by USPS.....	30	1603	4.6	0.3	0.9	1.1	-0.5	0.5
Pipeline transportation <sup>2</sup> .....	30	17	3.3	0.0	0.1	-0.7	0.0	1.5
Transportation of passengers (partial).....	30	2	0.0	2.6	-0.7	3.0	1.7	-3.7
Services related to water transportation <sup>2</sup> .....	31	1	5.8	0.4	1.0	0.8	0.8	0.2
Arrangement of freight and cargo <sup>2</sup> .....	31	31	6.7	15.7	-2.0	3.6	-4.0	2.3
Warehousing, storage, and related services <sup>2</sup> .....	32	1	3.2	-0.1	0.5	2.1	1.0	1.5
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	3.6	0.6	0.8	0.2	0.4	0.2
Network compensation from broadcast TV, cable TV, radio <sup>2</sup> .....	35	-	0.2	0.0	0.2	0.0	0.0	0.0
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	-1.1	0.2	0.1	0.2	0.1	0.4
Advertising space sales in directories and mail lists <sup>2</sup> .....	36	12	0.1	0.0	0.0	0.0	0.0	0.0
Television advertising time sales.....	36	2	-7.8	1.7	0.0	4.7	-6.1	1.3
Radio advertising time sales.....	36	3	-6.1	1.4	-16.6	7.4	0.4	-0.7
Internet advertising sales <sup>2</sup> .....	36	6	0.5	0.0	5.3	0.0	0.0	0.3
Business wired telecommunication services <sup>2</sup> .....	37	12	1.8	-0.2	-0.4	1.1	0.0	0.0
Wireless telecommunication services.....	37	2	1.0	0.1	0.1	0.0	0.1	0.1
Cable and satellite subscriber services.....	37	3	5.0	-0.1	0.8	0.8	-1.1	1.6
Bundled wired telecommunication access services <sup>2</sup> .....	37	5	2.8	1.9	1.6	0.4	-0.3	3.1
Data processing and related services <sup>2</sup> .....	38	1	2.2	0.3	0.4	0.1	-0.3	0.6
Business loans (partial).....	39	11	1.1	-0.2	0.7	2.8	0.1	0.2

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [April 2024]

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. 2023 to Apr. 2024 <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	19.0	3.2	0.9	1.1	2.7	-0.1
Other credit intermediation, incl. trust services (partial) <sup>2</sup> .....	39	3	-2.3	-0.2	0.0	1.3	0.0	-3.4
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	10.9	2.7	0.7	0.5	2.7	0.0
Portfolio management <sup>2</sup> .....	40	2	13.7	1.6	6.5	0.2	0.6	3.9
Investment banking <sup>2</sup> .....	40	3	15.4	-0.7	0.3	3.4	7.6	-1.4
Life insurance <sup>2</sup> .....	41	1101	-2.6	0.0	-0.5	-0.3	0.0	-0.7
Health and medical insurance.....	41	1103	2.3	0.1	0.1	0.2	0.2	0.2
Property and casualty insurance <sup>2</sup> .....	41	1104	7.0	1.2	0.4	0.4	0.4	0.1
Annuities <sup>2</sup> .....	41	2	0.8	-0.1	0.2	0.0	0.0	0.4
Commissions from sales of insurance <sup>2</sup> .....	42	1	0.3	0.1	0.0	0.3	0.0	0.0
Nonresidential real estate rents <sup>2</sup> .....	43	11	1.7	1.1	1.6	-3.6	-0.3	-1.3
Nonresidential property sales and leases <sup>2</sup> .....	43	12	-3.7	-1.8	-1.0	0.0	0.0	0.4
Residential property management fees <sup>2</sup> .....	43	22	4.7	-0.4	3.3	-0.1	0.0	0.4
Passenger car rental.....	44	1	-1.5	1.3	-3.0	-2.0	4.0	2.4
Truck, utility trailer, and RV rental and leasing <sup>2</sup> .....	44	2	-0.1	-0.6	0.0	-0.4	0.6	0.7
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	-0.5	0.2	0.1	-0.9	1.1	-0.4
Legal services.....	45	1	6.7	0.4	2.2	0.6	0.1	0.5
Accounting services (partial).....	45	2	6.3	0.0	2.2	1.3	0.1	0.5
Architectural and engineering services.....	45	3	2.8	0.1	0.0	0.0	0.0	0.7
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	5.8	0.8	-0.2	-0.4	0.2	3.2
Advertising and related services (partial) <sup>2</sup> .....	45	5	-0.2	0.0	0.0	0.0	0.0	0.0
Permanent placement services <sup>2</sup> .....	46	1	-10.8	0.8	0.4	-16.5	0.0	5.4
Executive search services <sup>2</sup> .....	46	2	4.3	2.3	-0.4	-0.1	-1.4	-0.8
Staffing services.....	46	3	-0.8	0.2	0.0	-0.1	0.0	-0.8
Security guard services <sup>2</sup> .....	48	1	11.8	2.4	2.8	0.6	-0.1	0.2
Janitorial services <sup>2</sup> .....	49	1	-0.3	0.0	1.9	0.0	0.0	-0.1
Waste collection.....	50	1	4.5	-0.3	-0.1	-1.5	1.3	1.0
Traveler accommodation services.....	53	11	-1.2	-4.2	3.0	-0.8	-1.4	2.4
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	5.5	0.8	1.2	-0.3	-0.3	1.3
Aircraft repair and maintenance.....	55	4	7.4	0.2	-0.3	1.2	0.2	0.3
Metal treatment services <sup>2</sup> .....	59	1	4.8	0.6	1.3	0.0	0.4	0.5
Construction for intermediate demand.....	ID6	4	3.0	0.0	0.3	0.1	0.6	0.2
Maintenance and repair of non-residential buildings (partial) <sup>2</sup> .....	80	2	3.0	0.0	0.3	0.1	0.6	0.2
<b>Intermediate Demand by Production Flow</b>								
Stage 4 intermediate demand.....	ID5	4	2.0	0.2	0.6	0.1	0.1	0.2
Stage 4 intermediate demand goods.....	ID5	9411	0.1	0.0	-0.1	0.5	-0.2	0.3
Grains.....	01	2	-35.6	-1.4	-5.2	-8.3	2.6	-4.5
Meats.....	02	21	10.1	4.8	-3.6	2.3	0.6	-2.2
Unprocessed and packaged fish.....	02	23	-0.2	-0.3	5.7	-4.8	2.0	2.8
Dairy products <sup>2</sup> .....	02	3	-0.9	-1.4	-1.2	1.0	1.0	-0.3
Commercial electric power.....	05	42	2.7	1.1	-2.2	2.4	-1.0	1.2
Industrial electric power.....	05	43	5.6	1.2	-2.0	2.3	-0.3	1.1
Gasoline.....	05	71	-1.9	2.1	-3.4	6.3	-3.0	5.4
No. 2 diesel fuel.....	05	7303	2.4	-9.3	-0.7	14.9	1.8	3.0
Basic organic chemicals.....	06	14	-5.3	-1.8	-3.9	3.1	0.4	3.1
Prepared paint <sup>2</sup> .....	06	21	-1.3	0.0	0.1	-0.1	-0.1	-0.2
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	5.0	-0.2	0.4	3.9	0.1	0.2
Biological products, including diagnostics.....	06	37	1.4	-0.3	-0.9	-0.3	0.4	0.2
Pharmaceutical preparations.....	06	38	1.5	0.2	-0.4	0.2	0.1	0.2
Plastic construction products <sup>2</sup> .....	07	21	-1.2	-0.4	0.5	-0.2	0.0	0.6
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	-3.5	0.5	-1.1	0.7	0.2	1.0
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	-0.8	-0.1	0.1	-0.1	0.8	0.0
Plastic packaging products <sup>2</sup> .....	07	2A	-0.8	-0.3	0.8	-0.5	0.3	0.6
Lumber.....	08	1	-2.1	0.6	-0.9	-1.9	0.5	4.3
Millwork.....	08	2	-0.3	0.0	-0.1	1.2	-0.6	0.2
Paper boxes and containers <sup>2</sup> .....	09	1503	-2.3	-0.1	-0.5	0.0	-0.4	0.7
Commercial printing <sup>2</sup> .....	09	47	1.8	0.0	0.8	0.2	0.1	-0.2
Steel mill products <sup>2</sup> .....	10	17	-9.8	2.4	5.3	3.5	-8.1	-2.7
Nonferrous wire and cable <sup>2</sup> .....	10	26	-0.1	0.4	-0.1	0.1	0.6	3.0
Fabricated structural metal products.....	10	7	1.1	1.2	0.8	-0.5	-0.8	0.0
Other miscellaneous metal products <sup>2</sup> .....	10	89	1.5	0.0	0.3	0.3	0.0	0.3
Air conditioning and refrigeration equipment.....	11	48	2.6	0.0	-1.3	1.2	-0.7	0.8
Wiring devices <sup>2</sup> .....	11	71	-4.5	-0.5	-0.6	0.6	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 2024]

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>
Electronic components and accessories.....	11	78	1.3	0.0	0.6	0.0	-0.1	0.4
Miscellaneous electrical machinery and equipment <sup>2</sup> .....	11	79	1.3	0.0	0.2	0.3	0.0	0.1
Internal combustion engines <sup>2</sup> .....	11	94	4.5	0.0	2.0	0.0	0.0	0.4
Machine shop products <sup>2</sup> .....	11	95	1.8	-0.1	0.2	0.9	0.1	0.1
Concrete ingredients and related products.....	13	2	7.1	0.6	1.9	0.0	0.6	0.4
Concrete products.....	13	3	6.7	-0.3	0.9	0.8	0.9	-0.2
Prepared asphalt, tar roofing and siding products <sup>2</sup> .....	13	61	2.3	0.3	-0.4	1.1	0.1	-2.1
Paving mixtures and blocks.....	13	94	1.8	0.9	-0.2	-0.4	1.0	-0.2
Motor vehicle parts <sup>2</sup> .....	14	12	1.1	-0.1	0.2	0.1	0.2	0.1
Aircraft engines and engine parts.....	14	23	3.2	0.4	0.5	0.5	0.1	0.0
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	2.6	0.0	0.2	0.3	0.1	1.1
Medical, surgical and personal aid devices.....	15	6	2.7	0.1	0.6	0.5	0.1	0.0
Stage 4 intermediate demand services.....	ID5	9412	3.7	0.4	1.2	-0.3	0.3	0.1
Truck transportation of freight <sup>2</sup> .....	30	12	-1.0	-1.6	-0.2	0.8	-0.5	0.5
Courier, messenger, and U.S. postal services.....	30	16	5.4	0.3	0.3	1.3	0.0	0.3
Airline passenger services.....	30	22	0.0	2.6	-0.7	3.1	1.7	-3.8
Warehousing, storage, and related services <sup>2</sup> .....	32	1	3.2	-0.1	0.5	2.1	1.0	1.5
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	-1.1	0.2	0.1	0.2	0.1	0.4
Data processing and related services <sup>2</sup> .....	38	1	2.2	0.3	0.4	0.1	-0.3	0.6
Business loans (partial).....	39	11	1.1	-0.2	0.7	2.8	0.1	0.2
Deposit services (partial) <sup>2</sup> .....	39	2	19.0	3.2	0.9	1.1	2.7	-0.1
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	10.9	2.7	0.7	0.5	2.7	0.0
Portfolio management <sup>2</sup> .....	40	2	13.7	1.6	6.5	0.2	0.6	3.9
Investment banking <sup>2</sup> .....	40	3	15.4	-0.7	0.3	3.4	7.6	-1.4
Insurance.....	41	11	3.5	0.6	0.0	0.2	0.3	0.0
Annuities <sup>2</sup> .....	41	2	0.8	-0.1	0.2	0.0	0.0	0.4
Nonresidential real estate rents <sup>2</sup> .....	43	11	1.7	1.1	1.6	-3.6	-0.3	-1.3
Nonresidential property sales and leases <sup>2</sup> .....	43	12	-3.7	-1.8	-1.0	0.0	0.0	0.4
Nonresidential property management fees <sup>2</sup> .....	43	13	6.2	1.4	-3.7	4.1	0.3	0.4
Residential property management fees <sup>2</sup> .....	43	22	4.7	-0.4	3.3	-0.1	0.0	0.4
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	-0.5	0.2	0.1	-0.9	1.1	-0.4
Legal services.....	45	1	6.7	0.4	2.2	0.6	0.1	0.5
Advertising agency services <sup>2</sup> .....	45	51	-0.2	0.0	0.0	0.0	0.0	0.0
Accounting services (partial).....	45	2	6.3	0.0	2.2	1.3	0.1	0.5
Architectural and engineering services.....	45	3	2.8	0.1	0.0	0.0	0.0	0.7
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	5.8	0.8	-0.2	-0.4	0.2	3.2
Staffing services.....	46	3	-0.8	0.2	0.0	-0.1	0.0	-0.8
Janitorial services <sup>2</sup> .....	49	1	-0.3	0.0	1.9	0.0	0.0	-0.1
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	5.5	0.8	1.2	-0.3	-0.3	1.3
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	7.6	-0.2	1.4	0.3	-1.5	1.3
Building materials, paint, and hardware wholesaling.....	57	3	-6.8	-1.5	2.8	-0.7	-2.0	-2.3
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-13.7	4.4	5.5	-14.7	2.7	-3.1
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	-2.1	-5.8	10.4	-3.9	-1.7	-0.5
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-2.4	1.1	-1.1	-2.4	-0.6	0.0
Food and alcohol wholesaling <sup>2</sup> .....	57	8	4.2	-1.2	0.7	1.1	0.7	0.7
Hardware and building materials and supplies retailing.....	58	D	12.2	-0.6	-1.3	-1.3	-2.2	1.0
Metal treatment services <sup>2</sup> .....	59	1	4.8	0.6	1.3	0.0	0.4	0.5
Stage 3 intermediate demand.....	ID5	3	-0.1	-0.3	0.3	0.9	-0.1	0.2
Stage 3 intermediate demand goods.....	ID5	9311	-2.3	-1.6	0.0	2.5	-0.3	0.4
Slaughter cattle.....	01	31	9.7	-3.2	1.3	1.6	7.7	-2.5
Slaughter hogs.....	01	32	30.1	-18.8	-2.9	35.6	4.6	22.4
Slaughter poultry.....	01	4	-10.5	4.3	-1.4	0.8	-3.5	-6.1
Raw milk.....	01	6	2.0	-5.1	1.1	5.1	0.1	0.6
Commercial electric power.....	05	42	2.7	1.1	-2.2	2.4	-1.0	1.2
Industrial electric power.....	05	43	5.6	1.2	-2.0	2.3	-0.3	1.1
Gasoline.....	05	71	-1.9	2.1	-3.4	6.3	-3.0	5.4
Jet fuel <sup>2</sup> .....	05	7203	3.8	-12.1	0.4	9.8	-5.4	0.3
No. 2 diesel fuel.....	05	7303	2.4	-9.3	-0.7	14.9	1.8	3.0
Finished lubricants <sup>2</sup> .....	05	76	0.1	0.7	0.3	-0.1	-0.8	0.0
Lubricating oil base stocks <sup>2</sup> .....	05	78	-21.0	-7.3	-3.6	-0.4	-4.7	-7.9
Asphalt.....	05	8102	3.7	4.3	2.7	-13.7	8.8	-5.4
Basic inorganic chemicals <sup>2</sup> .....	06	13	-10.7	-0.2	-1.1	-0.7	0.2	0.4
Basic organic chemicals.....	06	14	-5.3	-1.8	-3.9	3.1	0.4	3.1
Paints and allied products <sup>2</sup> .....	06	2	-1.6	-0.1	-0.1	-0.1	0.0	-0.2

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [April 2024]

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. 2023 to Apr. 2024 <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	-8.7	1.7	0.1	-1.1	0.0	0.1
Plastic resins and materials.....	06	6	-6.3	1.1	-0.6	0.8	-1.4	1.4
Synthetic rubber <sup>2</sup> .....	07	1102	-0.1	-1.5	-1.6	1.2	3.6	4.3
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	-3.5	0.5	-1.1	0.7	0.2	1.0
Paper <sup>2</sup> .....	09	13	-1.2	0.1	0.3	0.3	-0.2	0.3
Paperboard <sup>2</sup> .....	09	14	-4.2	-1.5	0.7	-0.2	0.2	0.7
Converted paper and paperboard products <sup>2</sup> .....	09	15	-1.5	-0.3	-0.3	0.2	-0.3	0.6
Commercial printing <sup>2</sup> .....	09	47	1.8	0.0	0.8	0.2	0.1	-0.2
Foundry and forge shop products <sup>2</sup> .....	10	15	0.7	0.9	0.7	0.6	0.4	-0.3
Steel mill products <sup>2</sup> .....	10	17	-9.8	2.4	5.3	3.5	-8.1	-2.7
Nonferrous mill shapes <sup>2</sup> .....	10	25	-1.8	0.1	0.0	0.0	0.2	1.9
Nonferrous foundry shop products.....	10	28	2.1	0.7	0.1	0.9	0.2	-0.1
Metal containers <sup>2</sup> .....	10	3	-2.6	0.0	0.4	0.2	-0.1	-0.1
Structural, architectural, and pre-engineered metal products.....	10	74	0.1	1.9	1.2	-1.3	-1.5	0.3
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	9.4	0.0	1.8	1.7	0.5	0.7
Other miscellaneous metal products <sup>2</sup> .....	10	89	1.5	0.0	0.3	0.3	0.0	0.3
General purpose machinery and equipment.....	11	4	4.0	0.3	-0.3	0.7	0.2	0.5
Electrical machinery and equipment.....	11	7	2.4	0.1	0.9	0.3	0.2	0.1
Construction sand, gravel, and crushed stone.....	13	21	7.2	0.5	2.5	-0.1	0.3	0.7
Cement.....	13	22	7.0	0.7	0.3	0.3	1.4	-0.3
Motor vehicle parts <sup>2</sup> .....	14	12	1.1	-0.1	0.2	0.1	0.2	0.1
Aircraft and aircraft equipment.....	14	2	3.8	0.2	0.5	0.3	0.1	0.3
Stage 3 intermediate demand services.....	ID5	9312	1.8	0.7	0.5	-0.3	0.0	0.0
Rail transportation of freight and mail <sup>2</sup> .....	30	11	1.8	-0.1	1.1	-1.4	-0.1	0.9
Courier, messenger, and U.S. postal services.....	30	16	5.4	0.3	0.3	1.3	0.0	0.3
Arrangement of freight and cargo <sup>2</sup> .....	31	31	6.7	15.7	-2.0	3.6	-4.0	2.3
Freight forwarding <sup>2</sup> .....	31	3201	-2.8	0.0	-0.4	-2.4	0.0	0.0
Warehousing, storage, and related services <sup>2</sup> .....	32	1	3.2	-0.1	0.5	2.1	1.0	1.5
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-0.9	0.1	0.1	0.2	0.0	0.4
Wired telephone services <sup>2</sup> .....	37	1	2.2	-0.1	-0.1	0.5	0.0	0.3
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	2.8	1.9	1.6	0.4	-0.3	3.1
Data processing and related services <sup>2</sup> .....	38	1	2.2	0.3	0.4	0.1	-0.3	0.6
Business loans (partial).....	39	11	1.1	-0.2	0.7	2.8	0.1	0.2
Deposit services (partial) <sup>2</sup> .....	39	2	19.0	3.2	0.9	1.1	2.7	-0.1
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	10.9	2.7	0.7	0.5	2.7	0.0
Insurance.....	41	11	3.5	0.6	0.0	0.2	0.3	0.0
Nonresidential real estate rents <sup>2</sup> .....	43	11	1.7	1.1	1.6	-3.6	-0.3	-1.3
Legal services.....	45	1	6.7	0.4	2.2	0.6	0.1	0.5
Accounting services (partial).....	45	2	6.3	0.0	2.2	1.3	0.1	0.5
Architectural and engineering services.....	45	3	2.8	0.1	0.0	0.0	0.0	0.7
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	5.8	0.8	-0.2	-0.4	0.2	3.2
Advertising agency services <sup>2</sup> .....	45	51	-0.2	0.0	0.0	0.0	0.0	0.0
Staffing services.....	46	3	-0.8	0.2	0.0	-0.1	0.0	-0.8
Aircraft repair maintenance.....	55	4	7.4	0.2	-0.3	1.2	0.2	0.3
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	7.6	-0.2	1.4	0.3	-1.5	1.3
Building materials, paint, and hardware wholesaling.....	57	3	-6.8	-1.5	2.8	-0.7	-2.0	-2.3
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-13.7	4.4	5.5	-14.7	2.7	-3.1
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	-2.1	-5.8	10.4	-3.9	-1.7	-0.5
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-2.4	1.1	-1.1	-2.4	-0.6	0.0
Food wholesaling <sup>2</sup> .....	57	8101	3.9	-1.4	0.9	1.1	0.2	0.8
Metal treatment services <sup>2</sup> .....	59	1	4.8	0.6	1.3	0.0	0.4	0.5
Stage 2 intermediate demand.....	ID5	2	0.5	-1.1	1.1	0.0	-1.1	1.5
Stage 2 intermediate demand goods.....	ID5	9211	-2.4	-3.4	1.7	-0.8	-2.7	3.7
Corn.....	01	2202	-37.2	-2.0	-6.5	-9.2	4.1	-4.9
Oilseeds.....	01	83	-21.3	-3.8	-9.2	-8.9	0.4	-1.0
Prepared animal feeds.....	02	9	-10.2	-0.7	-2.5	-2.3	-2.0	-0.4
Coal <sup>2</sup> .....	05	1	-5.0	-1.4	0.4	6.2	-10.8	-0.3
Natural gas <sup>2</sup> .....	05	31	-25.5	0.2	16.5	-25.7	-35.6	-0.9
Liquefied petroleum gas <sup>2</sup> .....	05	32	9.1	-0.8	3.5	-0.3	2.9	5.7
Crude petroleum <sup>2</sup> .....	05	61	7.6	-10.6	4.4	5.5	1.1	10.6
No. 2 diesel fuel.....	05	7303	2.4	-9.3	-0.7	14.9	1.8	3.0
Industrial chemicals.....	06	1	-6.4	-1.5	-3.4	2.4	0.3	2.6
Plastic resins and materials.....	06	6	-6.3	1.1	-0.6	0.8	-1.4	1.4
Plastic products <sup>2</sup> .....	07	2	-0.8	-0.1	0.2	-0.1	0.3	0.5
Logs, bolts, timber, pulpwood, and wood chips <sup>2</sup> .....	08	5	-2.1	-0.3	0.1	-0.5	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 2024]

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. 2023 to Apr. 2024 <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	-1.2	0.1	0.3	0.3	-0.2	0.3
Paperboard, excluding corrugated paperboard <sup>2</sup> .....	09	1411	-4.9	-2.0	0.7	-0.2	0.2	0.8
Commercial printing <sup>2</sup> .....	09	47	1.8	0.0	0.8	0.2	0.1	-0.2
Iron and steel scrap.....	10	12	-15.9	-0.9	-3.9	-3.9	-15.8	4.6
Steel mill products <sup>2</sup> .....	10	17	-9.8	2.4	5.3	3.5	-8.1	-2.7
Nonferrous mill shapes <sup>2</sup> .....	10	25	-1.8	0.1	0.0	0.0	0.2	1.9
Electrical machinery and equipment.....	11	7	2.4	0.1	0.9	0.3	0.2	0.1
Electronic components and accessories.....	11	78	1.3	0.0	0.6	0.0	-0.1	0.4
Stage 2 intermediate demand services.....	ID5	9212	2.8	0.5	0.6	0.6	0.0	0.1
Rail transportation of freight and mail <sup>2</sup> .....	30	11	1.8	-0.1	1.1	-1.4	-0.1	0.9
Truck transportation of freight <sup>2</sup> .....	30	12	-1.0	-1.6	-0.2	0.8	-0.5	0.5
U.S. Postal Service <sup>2</sup> .....	30	1601	7.1	0.0	0.0	3.2	0.0	0.0
Courier and messenger services, except air.....	30	1602	4.6	0.5	0.1	0.0	0.3	0.4
Air mail and package delivery services, excluding by USPS.....	30	1603	4.6	0.3	0.9	1.1	-0.5	0.5
Pipeline transportation <sup>2</sup> .....	30	17	3.3	0.0	0.1	-0.7	0.0	1.5
Airline passenger services.....	30	22	0.0	2.6	-0.7	3.1	1.7	-3.8
Arrangement of freight and cargo <sup>2</sup> .....	31	31	6.7	15.7	-2.0	3.6	-4.0	2.3
Television advertising time sales.....	36	21	-7.8	1.7	0.0	4.7	-6.1	1.3
Wireless telecommunication services.....	37	2	1.0	0.1	0.1	0.0	0.1	0.1
Data processing and related services <sup>2</sup> .....	38	1	2.2	0.3	0.4	0.1	-0.3	0.6
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	10.9	2.7	0.7	0.5	2.7	0.0
Portfolio management <sup>2</sup> .....	40	2	13.7	1.6	6.5	0.2	0.6	3.9
Investment banking <sup>2</sup> .....	40	31	15.4	-0.7	0.3	3.4	7.6	-1.4
Insurance.....	41	11	3.5	0.6	0.0	0.2	0.3	0.0
Commissions from sales of insurance <sup>2</sup> .....	42	11	0.3	0.1	0.0	0.3	0.0	0.0
Legal services.....	45	1	6.7	0.4	2.2	0.6	0.1	0.5
Accounting services (partial).....	45	2	6.3	0.0	2.2	1.3	0.1	0.5
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	5.8	0.8	-0.2	-0.4	0.2	3.2
Advertising agency services <sup>2</sup> .....	45	51	-0.2	0.0	0.0	0.0	0.0	0.0
Staffing services.....	46	3	-0.8	0.2	0.0	-0.1	0.0	-0.8
Security guard services <sup>2</sup> .....	48	1	11.8	2.4	2.8	0.6	-0.1	0.2
Janitorial services <sup>2</sup> .....	49	1	-0.3	0.0	1.9	0.0	0.0	-0.1
Traveler accommodation services.....	53	1	-1.2	-4.2	3.0	-0.8	-1.4	2.4
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	5.5	0.8	1.2	-0.3	-0.3	1.3
Hardware and building materials and supplies retailing.....	58	D	12.2	-0.6	-1.3	-1.3	-2.2	1.0
Stage 1 intermediate demand.....	ID5	1	0.5	-0.2	0.4	0.4	-0.2	0.2
Stage 1 intermediate demand goods.....	ID5	9111	-1.8	-0.7	-0.2	1.3	-0.7	0.5
Prepared animal feeds.....	02	9	-10.2	-0.7	-2.5	-2.3	-2.0	-0.4
Commercial electric power.....	05	42	2.7	1.1	-2.2	2.4	-1.0	1.2
Industrial electric power.....	05	43	5.6	1.2	-2.0	2.3	-0.3	1.1
Commercial natural gas.....	05	52	-4.1	2.0	-0.2	2.1	0.4	-2.9
Industrial natural gas.....	05	53	-4.9	-0.3	3.6	-0.7	0.7	-3.6
Gasoline.....	05	71	-1.9	2.1	-3.4	6.3	-3.0	5.4
No. 2 diesel fuel.....	05	7303	2.4	-9.3	-0.7	14.9	1.8	3.0
Industrial chemicals.....	06	1	-6.4	-1.5	-3.4	2.4	0.3	2.6
Prepared paint <sup>2</sup> .....	06	21	-1.3	0.0	0.1	-0.1	-0.1	-0.2
Plastic construction products <sup>2</sup> .....	07	21	-1.2	-0.4	0.5	-0.2	0.0	0.6
Recyclable paper <sup>2</sup> .....	09	12	90.8	2.7	8.0	12.9	10.2	-0.7
Paper <sup>2</sup> .....	09	13	-1.2	0.1	0.3	0.3	-0.2	0.3
Converted paper and paperboard products <sup>2</sup> .....	09	15	-1.5	-0.3	-0.3	0.2	-0.3	0.6
Iron and steel scrap.....	10	12	-15.9	-0.9	-3.9	-3.9	-15.8	4.6
Steel mill products <sup>2</sup> .....	10	17	-9.8	2.4	5.3	3.5	-8.1	-2.7
Primary nonferrous metals <sup>2</sup> .....	10	22	7.1	-1.5	0.6	2.4	1.1	3.2
Nonferrous scrap.....	10	23	2.0	2.1	-2.1	-1.1	3.9	3.7
Nonferrous wire and cable <sup>2</sup> .....	10	26	-0.1	0.4	-0.1	0.1	0.6	3.0
Fabricated structural metal products.....	10	7	1.1	1.2	0.8	-0.5	-0.8	0.0
General purpose machinery and equipment.....	11	4	4.0	0.3	-0.3	0.7	0.2	0.5
Construction sand, gravel, and crushed stone.....	13	21	7.2	0.5	2.5	-0.1	0.3	0.7
Stage 1 intermediate demand services.....	ID5	9112	2.8	0.3	0.9	-0.5	0.3	-0.2
Truck transportation of freight <sup>2</sup> .....	30	12	-1.0	-1.6	-0.2	0.8	-0.5	0.5
Airline passenger services.....	30	22	0.0	2.6	-0.7	3.1	1.7	-3.8
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-0.9	0.1	0.1	0.2	0.0	0.4
Business wired telecommunication services <sup>2</sup> .....	37	12	1.8	-0.2	-0.4	1.1	0.0	0.0
Wireless telecommunication services.....	37	2	1.0	0.1	0.1	0.0	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 2024]

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. 2023 to Apr. 2024 <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	2.8	1.9	1.6	0.4	-0.3	3.1
Business loans (partial).....	39	11	1.1	-0.2	0.7	2.8	0.1	0.2
Deposit services (partial) <sup>2</sup> .....	39	2	19.0	3.2	0.9	1.1	2.7	-0.1
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	10.9	2.7	0.7	0.5	2.7	0.0
Portfolio management <sup>2</sup> .....	40	2	13.7	1.6	6.5	0.2	0.6	3.9
Investment banking <sup>2</sup> .....	40	3	15.4	-0.7	0.3	3.4	7.6	-1.4
Insurance.....	41	11	3.5	0.6	0.0	0.2	0.3	0.0
Nonresidential real estate rents <sup>2</sup> .....	43	11	1.7	1.1	1.6	-3.6	-0.3	-1.3
Architectural and engineering services.....	45	3	2.8	0.1	0.0	0.0	0.0	0.7
Management consulting services <sup>2</sup> .....	45	41	5.8	0.8	-0.2	-0.4	0.2	3.2
Waste collection.....	50	1	4.5	-0.3	-0.1	-1.5	1.3	1.0
Traveler accommodation services.....	53	11	-1.2	-4.2	3.0	-0.8	-1.4	2.4
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	5.5	0.8	1.2	-0.3	-0.3	1.3
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	7.6	-0.2	1.4	0.3	-1.5	1.3
Building materials, paint, and hardware wholesaling.....	57	3	-6.8	-1.5	2.8	-0.7	-2.0	-2.3
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-13.7	4.4	5.5	-14.7	2.7	-3.1
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	-2.1	-5.8	10.4	-3.9	-1.7	-0.5
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-2.4	1.1	-1.1	-2.4	-0.6	0.0
Hardware and building materials and supplies retailing.....	58	D	12.2	-0.6	-1.3	-1.3	-2.2	1.0
Mining services <sup>2</sup> .....	60	1	2.2	1.1	-0.2	0.4	0.3	0.2

<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 2024, 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. 2023	Jan. 2024 <sup>P</sup>	Feb. 2024 <sup>P</sup>	Mar. 2024 <sup>P</sup>	Apr. 2024 <sup>P</sup>
<b>Final Demand</b>								
Final demand.....		FD	4	142.170	142.633	143.462	143.320	144.063
Final demand goods.....		FD	41	142.811	142.620	144.240	144.017	144.656
Final demand foods.....		FD	411	150.780	150.333	151.877	152.530	151.538
Finished consumer foods <sup>2</sup> .....	00/82	FD	4111	266.951	267.913	272.647	273.588	271.946
Finished consumer foods, crude.....	00/82	FD	41113	248.093	267.911	295.341	283.456	271.184
Finished consumer foods, processed.....	00/82	FD	41112	267.590	266.751	269.288	271.455	270.840
Government purchased foods.....		FD	4112	157.495	155.445	157.002	157.929	156.867
Foods for export.....		FD	4113	148.310	144.008	140.388	141.486	140.223
Final demand energy.....		FD	412	140.056	138.391	143.708	141.798	144.623
Finished consumer energy goods <sup>2</sup> .....	00/82	FD	4121	221.175	218.260	225.040	222.822	227.635
Government purchased energy.....		FD	4122	145.676	144.148	153.901	151.272	153.337
Energy for export.....		FD	4123	127.620	127.643	135.400	129.483	131.350
Final demand goods less foods and energy.....		FD	413	141.558	141.899	142.398	142.456	142.869
Finished goods less foods and energy <sup>2</sup> .....	00/82	FD	4131	249.260	250.054	250.962	251.514	251.868
Finished consumer goods less foods and energy.....	00/82	FD	41311	276.892	277.277	278.301	278.702	279.006
Nondurable consumer goods less foods and energy.....	00/82	FD	413111	360.080	360.449	362.351	362.494	363.009
Durable consumer goods.....	00/82	FD	413112	191.749	192.126	192.365	192.954	193.065
Private capital equipment.....	00/82	FD	41312	214.100	215.218	215.985	216.646	217.028
Private capital equipment for manufacturing industries.....	00/82	FD	413121	230.217	231.910	232.903	233.971	234.301
Private capital equipment for nonmanufacturing industries.....	00/82	FD	413122	209.281	210.229	210.929	211.470	211.867
Government purchased goods, excluding foods and energy.....		FD	4132	137.630	138.189	138.652	138.992	139.454
Government purchased goods excluding foods, energy, and capital equipment.....		FD	41321	145.612	145.764	146.301	146.685	147.320
Government purchased capital equipment.....		FD	41322	125.523	126.559	126.926	127.205	127.453
Goods for export, excluding foods and energy.....		FD	4133	137.518	137.582	138.048	137.567	138.318
Final demand services.....		FD	42	140.746	141.501	142.003	141.889	142.694
Final demand trade services <sup>3</sup> .....		FD	423	150.323	150.527	150.931	149.358	150.483
Trade of finished goods <sup>2</sup> .....		FD	4231	148.664	148.366	148.897	147.420	148.347
Trade of personal consumption goods.....		FD	42311	149.545	148.789	149.241	148.113	147.974
Trade of private capital equipment.....		FD	42312	143.077	144.810	145.684	142.680	148.304
Trade of government purchased goods.....		FD	4232	161.531	163.771	164.231	162.012	164.647
Trade of government purchased goods, excluding capital equipment.....		FD	42321	170.973	171.048	170.638	169.543	169.153
Trade of government purchased capital equipment.....		FD	42322	145.874	151.328	153.077	149.209	156.315
Trade of exports.....		FD	4233	161.664	165.876	165.007	162.776	165.218
Final demand transportation and warehousing services.....		FD	422	149.481	149.216	151.103	151.358	150.457
Transportation of passengers for final demand.....		FD	4221	137.204	136.259	140.386	142.783	137.459
Transportation of private passengers.....		FD	42211	137.202	136.259	140.378	142.770	137.457
Transportation of government passengers.....		FD	42212	136.968	136.032	140.114	142.484	137.219
Transportation of passengers for export.....		FD	42213	137.219	136.267	140.429	142.847	137.478
Transportation and warehousing of goods for final demand.....		FD	4222	153.450	153.451	154.453	153.869	154.701
Transportation and warehousing of finished goods <sup>2</sup> .....		FD	42221	151.235	151.178	152.231	151.595	152.388
Transportation and warehousing of personal consumption goods.....		FD	422211	151.811	151.757	152.854	152.230	153.024
Transportation and warehousing of private capital equipment.....		FD	422212	148.900	148.829	149.704	149.020	149.811
Transportation and warehousing of government purchased goods.....		FD	42222	152.334	152.428	153.659	153.296	154.301
Transportation and warehousing of exports.....		FD	42223	159.945	160.061	160.902	160.389	161.280
Final demand services less trade, transportation, and warehousing.....		FD	421	135.353	136.432	136.827	137.265	138.114
Finished services less trade, transportation, and warehousing <sup>2</sup> .....		FD	4211	135.594	136.670	137.057	137.442	138.269
Finished consumer services less trade, transportation, and warehousing.....		FD	42111	134.882	136.157	136.597	136.996	137.754
Private capital investment services less trade, transportation, and warehousing.....		FD	42112	142.283	141.808	141.783	142.072	143.447
Government purchased services less trade, transportation, and warehousing.....		FD	4212	126.085	127.277	127.509	127.754	128.564
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....		FD	42121	126.730	128.054	128.302	128.529	129.384
Government purchased capital investment services less trade, transportation, and warehousing.....		FD	42122	110.798	110.041	110.042	110.517	110.670
Services for export less trade, transportation, and warehousing.....		FD	4213	143.311	144.304	145.020	146.441	147.658
Final demand construction.....		FD	43	174.179	174.648	174.606	174.745	174.975
Construction for private capital investment.....		FD	431	178.291	178.691	178.645	178.816	178.982
Construction for government.....		FD	432	166.523	167.144	167.108	167.181	167.548
<b>Final Demand Special Groupings</b>								
Final demand less exports.....	04/10	FD	49101	139.874	140.331	141.207	141.094	141.814
Final demand less government.....	04/10	FD	49102	140.239	140.684	141.451	141.317	142.043
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>1</sup> .....	04/10	FD	49103	140.220	140.943	141.455	141.352	142.000
Final demand less foods and energy <sup>4</sup> .....	04/10	FD	49104	140.062	140.713	141.196	141.125	141.824
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>4</sup> .....	04/10	FD	49105	139.774	140.338	141.161	140.940	141.729

See footnotes at end of table.

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

[April 2024, 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. 2023	Jan. 2024 <sup>P</sup>	Feb. 2024 <sup>P</sup>	Mar. 2024 <sup>P</sup>	Apr. 2024 <sup>P</sup>
Final demand less foods <sup>4</sup> .....	04/10	FD	49106	139.581	140.087	140.864	140.681	141.508
Final demand less energy.....	04/10	FD	49107	140.416	141.005	141.546	141.516	142.119
Final demand less trade services.....	01/10	FD	49108	138.612	139.125	140.037	140.211	140.860
Final demand less distributive services <sup>5</sup> .....	01/10	FD	49109	138.141	138.677	139.586	139.792	140.435
Final demand goods less energy.....	01/10	FD	49111	142.060	142.227	142.947	143.132	143.238
Final demand goods less foods.....	04/10	FD	49112	138.056	137.922	139.522	139.122	140.086
Final demand services less trade services.....	04/10	FD	49113	135.489	136.433	136.965	137.381	138.059
Final demand distributive services <sup>5</sup> .....	04/10	FD	49114	147.769	147.938	148.425	147.036	148.093
Final demand goods plus final demand distributive services <sup>5</sup> .....	04/10	FD	49115	142.801	142.761	143.887	143.183	143.987
Final demand less foods, energy, and trade services <sup>4</sup> .....	08/13	FD	49116	129.490	130.210	130.683	130.976	131.532
Private and government purchased capital equipment.....	08/13	FD	49117	129.267	129.996	130.447	130.831	131.065
Private and government purchased capital investment services.....	08/13	FD	49118	132.066	132.538	132.907	131.928	134.712
Total private and government purchased capital investment.....	08/13	FD	49119	133.891	134.448	134.792	134.459	135.962
Total finished <sup>2</sup> .....	01/10	FD	49201	140.911	141.358	142.187	142.082	142.799
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>2, 4</sup> .....	12/10	FD	49202	139.778	140.373	140.866	140.798	141.455
Total finished less foods and energy <sup>2, 4</sup> .....	01/10	FD	49203	140.638	141.232	141.730	141.673	142.333
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>2, 4</sup> .....	12/10	FD	49204	139.014	139.455	140.177	140.027	140.827
Total finished less foods <sup>2, 4</sup> .....	01/10	FD	49205	140.426	140.868	141.598	141.458	142.264
Total finished less energy <sup>2</sup> .....	01/10	FD	49206	141.151	141.742	142.358	142.334	142.907
Finished goods <sup>2</sup> .....	00/82	FD	49207	255.085	254.950	258.249	258.163	259.307
Finished goods less energy <sup>2</sup> .....	00/82	FD	49208	253.155	253.991	255.923	256.578	256.394
Finished goods, excluding foods <sup>2, 4</sup> .....	00/82	FD	49209	251.302	250.879	253.791	253.436	255.307
Finished services <sup>2</sup> .....	01/10	FD	49210	139.108	139.732	140.239	140.109	140.864
Private capital investment services.....	04/10	FD	49211	142.226	142.599	142.960	141.965	144.885
Finished distributive services <sup>2, 5</sup> .....	04/10	FD	49212	145.911	145.648	146.231	144.886	145.777
Finished services less trade services <sup>2</sup> .....	04/10	FD	49213	135.349	136.315	136.811	137.183	137.873
Finished services less distributive services <sup>2, 5</sup> .....	04/10	FD	49214	134.743	135.767	136.234	136.662	137.347
Total private capital investment (goods, services, and construction).....	04/10	FD	49215	141.842	142.335	142.697	142.336	143.990
Finished goods plus finished distributive services <sup>2</sup> .....	04/10	FD	49216	143.981	143.816	145.047	144.372	145.132
Total exports.....	04/10	FD	49301	139.924	140.368	140.791	140.482	141.280
Goods for export.....	00/82	FD	49302	231.775	231.026	231.710	230.689	231.663
Services for export.....	04/10	FD	49303	151.101	152.780	153.249	153.324	154.468
Total government purchases.....	04/10	FD	49401	136.656	137.226	138.604	138.409	139.193
Government purchased goods.....	00/82	FD	49402	230.593	230.144	234.971	234.392	235.531
Government purchased services.....	04/10	FD	49403	133.819	135.073	135.492	135.371	136.327
Total government purchased capital investment (goods, services, construction).....	08/13	FD	49404	131.896	133.098	133.446	133.175	134.245
Government purchases, defense.....	05/15	FD	49405	123.414	124.103	125.767	125.282	126.115
Government purchases, non-defense.....	05/15	FD	49406	131.148	131.626	132.761	132.715	133.413
Personal consumption.....	01/10	FD	49501	140.616	141.053	141.989	141.942	142.445
Personal consumption goods (finished consumer goods).....	00/82	FD	49502	272.440	271.754	276.164	275.748	277.225
Personal consumption goods less energy.....	00/82	FD	49503	273.149	273.788	276.430	277.067	276.523
Personal consumption goods less foods.....	00/82	FD	49504	272.858	271.475	275.712	274.725	277.514
Personal consumption nondurable goods less foods.....	00/82	FD	49508	308.315	306.145	312.214	310.512	314.512
Personal consumption services.....	04/10	FD	49505	138.106	138.768	139.294	139.300	139.717
Personal consumption less trade services.....	04/10	FD	49506	137.797	138.529	139.581	139.805	140.465
Personal consumption less distributive services <sup>5</sup> .....	04/10	FD	49507	137.524	138.285	139.337	139.592	140.248
Personal consumption less foods and energy.....	04/14	FD	49510	129.431	130.005	130.497	130.520	130.885
Personal consumption less foods, energy, and trade services <sup>3</sup> .....	04/14	FD	49511	126.841	127.798	128.312	128.657	129.171
Personal consumption less foods, energy, and distributive services <sup>5</sup> .....	04/14	FD	49512	126.830	127.835	128.330	128.716	129.223
Personal consumption goods plus personal consumption distributive services <sup>5</sup> .....	08/13	FD	49509	132.803	132.335	133.619	133.034	133.372
<b>Intermediate Demand by Commodity Type</b>								
<b>Processed goods</b>								
Processed goods for intermediate demand.....	00/82	ID6	1	254.490	254.123	257.721	256.487	257.925
Materials and components for manufacturing.....	00/82	ID6	11	231.657	232.115	233.958	232.822	233.654
Materials for manufacturing.....		ID6	111	142.840	142.944	144.584	143.302	143.996
Materials for food manufacturing.....	00/82	ID6	1111	250.318	246.454	250.390	252.650	252.736
Materials for nondurable manufacturing.....	00/82	ID6	1112	259.932	257.724	259.843	260.615	264.162
Materials for durable manufacturing.....	00/82	ID6	1113	275.782	280.766	284.484	276.171	275.275
Components for manufacturing.....	00/82	ID6	112	188.712	189.459	189.905	190.202	190.499
Components for nondurable manufacturing.....		ID6	1121	145.651	145.495	145.998	146.337	147.174
Components for durable manufacturing.....		ID6	1122	133.236	133.798	134.105	134.310	134.491
Materials and components for construction.....	00/82	ID6	12	353.731	354.492	355.327	355.800	356.772
Materials for construction.....		ID6	121	168.052	168.446	169.223	170.060	170.387
Components for construction.....		ID6	122	179.970	180.330	180.433	180.154	180.764
Processed fuels and lubricants for intermediate demand.....	00/82	ID6	13	240.582	237.940	251.037	247.658	251.577
Processed fuels and lubricants to manufacturing industries.....	00/82	ID6	131	251.290	247.728	254.859	252.366	253.339

See footnotes at end of table.



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

[April 2024, 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. 2023	Jan. 2024 <sup>P</sup>	Feb. 2024 <sup>P</sup>	Mar. 2024 <sup>P</sup>	Apr. 2024 <sup>P</sup>
Processed fuels and lubricants to nonmanufacturing industries.....	00/82	ID6	132	237.476	235.122	250.144	246.479	251.343
Containers for intermediate demand.....	00/82	ID6	14	304.717	304.379	304.572	304.091	305.602
Supplies for intermediate demand.....	00/82	ID6	15	250.590	250.185	250.193	250.039	250.603
Supplies to manufacturing industries.....	00/82	ID6	151	245.612	246.699	246.745	247.386	248.860
Supplies to nonmanufacturing industries.....	00/82	ID6	152	249.374	248.740	248.743	248.466	248.884
Supplies to nonmanufacturing industries, feeds.....	00/82	ID6	1521	230.922	224.963	217.351	212.830	210.998
Supplies to nonmanufacturing industries, other than feeds.....	00/82	ID6	1522	253.779	253.831	254.826	255.099	255.815
<b>Unprocessed goods</b>								
Unprocessed goods for intermediate demand.....	00/82	ID6	2	241.012	244.713	243.666	239.095	246.694
Unprocessed foodstuffs and feedstuffs.....	00/82	ID6	21	211.970	208.876	212.178	215.611	215.277
Unprocessed nonfood materials.....	00/82	ID6	22	251.646	260.146	255.970	245.756	258.814
Unprocessed nonfood materials except fuel.....	00/82	ID6	221	310.597	315.504	322.104	323.678	343.595
Unprocessed nonfood materials except fuel to manufacturing industries.....	00/82	ID6	2211	286.076	290.461	296.874	298.341	317.573
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	00/82	ID6	2212	358.968	367.766	367.654	369.048	371.519
Unprocessed fuel.....	00/82	ID6	222	128.162	143.049	118.699	86.688	86.152
Unprocessed fuel to manufacturing industries.....	00/82	ID6	2221	223.774	230.064	231.831	199.541	198.893
Unprocessed fuel to nonmanufacturing industries.....	00/82	ID6	2222	126.429	142.225	115.709	82.801	82.256
<b>Services</b>								
Services for intermediate demand.....		ID6	3	148.164	149.303	149.238	149.486	149.671
Trade services for intermediate demand <sup>5</sup> .....		ID6	33	176.254	178.191	175.139	174.197	173.364
Trade services for manufacturing industries.....	12/12	ID6	331	160.738	164.322	160.261	159.474	158.969
Trade services for nonmanufacturing industries.....	12/12	ID6	332	157.123	157.118	155.615	154.705	153.720
Transportation and warehousing services for intermediate demand.....		ID6	32	157.465	157.412	158.989	158.955	159.596
Transportation of passengers for intermediate demand.....		ID6	321	137.031	136.096	140.175	142.545	137.282
Transportation of passengers for manufacturing industries.....		ID6	3211	137.195	136.243	140.403	142.819	137.454
Transportation of passengers for nonmanufacturing industries.....		ID6	3212	137.073	136.139	140.210	142.574	137.323
Transportation and warehousing of goods for intermediate demand.....		ID6	322	159.703	159.731	161.078	160.820	162.014
Transportation and warehousing of goods for manufacturing industries.....	12/12	ID6	3221	130.106	130.408	130.606	130.413	131.460
Transportation and warehousing of goods for nonmanufacturing industries.....	12/12	ID6	3222	143.419	143.363	144.834	144.597	145.647
Services less trade, transportation, and warehousing for intermediate demand.....		ID6	31	139.020	140.197	140.468	141.019	141.334
Services less trade, transportation, and warehousing for manufacturing industries.....		ID6	311	130.217	132.500	132.412	132.922	133.604
Services less trade, transportation, and warehousing for nonmanufacturing industries.....		ID6	312	139.302	140.440	140.723	141.275	141.578
<b>Construction</b>								
Construction for intermediate demand.....		ID6	4	145.988	146.391	146.520	147.368	147.693
<b>Intermediate Demand by Commodity Type Special Groupings</b>								
Processed materials less foods and feeds.....	00/82	ID6	9111	255.588	255.594	259.490	258.090	259.731
Processed foods and feeds.....	00/82	ID6	9112	244.020	239.995	240.649	241.046	240.492
Processed energy goods.....	00/82	ID6	9113	241.699	239.044	252.218	248.822	252.765
Processed materials less energy.....	00/82	ID6	9118	254.622	254.829	255.992	255.313	256.110
Processed materials less foods and energy.....	00/82	ID6	9115	255.497	256.249	257.476	256.659	257.629
Intermediate distributive services <sup>6</sup> .....	04/10	ID6	9116	166.556	167.638	166.538	165.906	165.964
Processed goods plus intermediate distributive services.....	04/10	ID6	9117	145.953	146.099	147.238	146.578	147.166
Unprocessed materials less agricultural products.....	00/82	ID6	9211	256.941	267.490	264.317	252.171	267.959
Unprocessed energy materials <sup>7</sup> .....	00/82	ID6	9212	188.183	200.285	197.621	185.192	200.371
Unprocessed materials less energy.....	00/82	ID6	9213	268.207	264.444	265.081	267.748	268.506
Unprocessed nonfood materials less energy <sup>8</sup> .....	00/82	ID6	9216	436.349	430.601	422.919	423.132	427.269
<b>Intermediate Demand by Production Flow</b>								
<b>Stage 4 Intermediate Demand</b>								
Stage 4 intermediate demand.....		ID5	4	149.385	150.274	150.435	150.601	150.901
Inputs to stage 4 goods producers.....		ID5	41	145.931	146.638	146.242	145.754	146.019
Goods.....		ID5	411	138.373	138.505	138.553	138.156	138.316
Foods.....		ID5	4111	144.348	141.704	138.797	139.074	138.945
Energy.....		ID5	4112	142.187	140.035	140.138	130.118	131.914
Goods excluding foods and energy.....		ID5	4113	137.530	138.109	138.609	138.197	138.386
Services.....		ID5	412	171.092	173.711	171.818	171.027	171.646
Trade services.....		ID5	4123	183.612	187.036	184.278	183.000	183.506
Transportation and warehousing services.....		ID5	4122	136.452	136.750	137.021	137.248	137.138
Transportation of passengers.....		ID5	41221	137.218	136.266	140.428	142.846	137.477
Transportation and warehousing of goods.....		ID5	41222	145.338	145.900	145.426	145.239	146.153
Services less trade, transportation, and warehousing.....		ID5	4121	132.070	132.909	132.937	133.266	134.378
Inputs to stage 4 services producers.....		ID5	42	147.219	148.316	148.801	149.377	149.653

See footnotes at end of table.

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

[April 2024, 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. 2023	Jan. 2024 <sup>P</sup>	Feb. 2024 <sup>P</sup>	Mar. 2024 <sup>P</sup>	Apr. 2024 <sup>P</sup>
Goods.....		ID5	421	146.169	145.305	147.144	147.002	147.770
Foods.....		ID5	4211	148.311	146.247	147.539	149.146	149.417
Energy.....		ID5	4212	141.171	138.826	143.756	142.136	143.884
Goods excluding foods and energy.....		ID5	4213	147.568	147.949	148.118	148.311	148.649
Services.....		ID5	422	147.349	149.099	149.128	149.944	150.054
Trade services.....		ID5	4223	163.384	165.903	164.526	163.537	163.555
Transportation and warehousing services.....		ID5	4222	152.599	152.654	155.396	155.922	156.141
Transportation of passengers.....		ID5	42221	136.683	135.740	139.862	142.256	136.939
Transportation and warehousing of goods.....		ID5	42222	155.940	156.164	158.683	158.894	160.054
Services less trade, transportation, and warehousing.....		ID5	4221	144.033	145.865	145.761	146.792	146.900
Construction.....		ID5	423	145.988	146.391	146.520	147.368	147.693
Inputs to stage 4 construction producers.....		ID5	43	163.595	164.004	164.056	163.968	164.443
Goods.....		ID5	431	167.559	167.789	168.770	168.793	169.601
Energy.....		ID5	4312	148.846	145.501	153.259	150.437	155.663
Goods excluding foods and energy.....		ID5	4313	173.281	173.875	174.206	174.514	174.899
Services.....		ID5	432	153.364	154.220	151.934	151.567	151.207
Trade services.....		ID5	4323	174.299	176.295	170.315	169.309	167.143
Transportation and warehousing services.....		ID5	4322	145.834	145.823	146.453	145.869	146.548
Transportation of passengers.....		ID5	43221	143.033	142.042	146.373	148.889	143.302
Transportation and warehousing of goods.....		ID5	43222	146.676	146.689	147.232	146.572	147.404
Services less trade, transportation, and warehousing.....		ID5	4321	132.930	133.130	132.886	133.144	133.896
<b>Stage 3 Intermediate Demand</b>								
Stage 3 intermediate demand.....		ID5	3	145.590	146.014	147.370	147.192	147.482
Inputs to stage 3 goods producers.....		ID5	31	152.730	153.477	154.583	154.445	154.398
Goods.....		ID5	311	146.998	147.214	149.602	149.440	149.564
Foods.....		ID5	3111	155.702	153.739	159.303	161.540	160.844
Energy.....		ID5	3112	136.956	137.550	135.513	134.061	132.757
Goods excluding foods and energy.....		ID5	3113	147.993	149.127	150.496	149.389	149.947
Services.....		ID5	312	164.549	167.283	163.348	163.310	162.602
Trade services.....		ID5	3123	173.013	177.801	169.973	169.914	167.963
Transportation and warehousing services.....		ID5	3122	148.800	149.057	149.836	149.570	150.081
Transportation of passengers.....		ID5	31221	146.097	145.084	149.514	152.087	146.373
Transportation and warehousing of goods.....		ID5	31222	148.739	149.066	149.642	149.221	150.074
Services less trade, transportation, and warehousing.....		ID5	3121	136.004	136.602	136.323	136.769	137.635
Inputs to stage 3 services producers.....		ID5	32	139.097	139.295	140.860	140.667	141.195
Goods.....		ID5	321	122.156	121.711	128.336	127.292	129.067
Foods.....		ID5	3211	156.183	155.047	154.246	154.139	153.546
Energy.....		ID5	3212	119.596	118.617	129.364	127.376	129.797
Goods excluding foods and energy.....		ID5	3213	135.745	136.181	136.545	136.991	137.868
Services.....		ID5	322	143.379	143.743	143.992	144.010	144.211
Trade services.....		ID5	3223	200.917	198.332	196.838	196.135	194.355
Transportation and warehousing services.....		ID5	3222	166.198	165.900	167.673	167.416	168.501
Transportation of passengers.....		ID5	32221	104.603	104.462	104.654	104.738	104.482
Transportation and warehousing of goods.....		ID5	32222	166.718	166.419	168.201	167.942	169.034
Services less trade, transportation, and warehousing.....		ID5	3221	134.163	134.886	134.822	134.959	135.037
Construction.....		ID5	323	145.988	146.391	146.520	147.368	147.693
Inputs to stage 3 construction producers.....		ID5	33	142.337	142.312	141.632	140.906	141.238
Goods.....		ID5	331	133.814	134.119	134.465	134.949	135.914
Goods excluding foods and energy.....		ID5	3313	170.511	170.900	171.340	171.957	173.187
Services.....		ID5	332	171.370	170.948	168.948	166.669	166.283
Trade services.....		ID5	3323	176.591	176.000	173.832	171.215	170.742
Transportation and warehousing services.....		ID5	3322	116.385	117.370	116.632	116.747	117.471
Transportation and warehousing of goods.....		ID5	33222	122.848	123.889	123.110	123.231	123.995
Services less trade, transportation, and warehousing.....		ID5	3321	126.675	127.682	127.259	128.133	128.278
<b>Stage 2 Intermediate Demand</b>								
Stage 2 intermediate demand.....		ID5	2	134.026	135.455	135.458	133.992	136.061
Inputs to stage 2 goods producers.....		ID5	21	120.745	122.741	121.804	119.178	122.854
Goods.....		ID5	211	114.960	117.224	116.037	112.487	117.249
Foods.....		ID5	2111	155.441	148.100	139.678	137.829	137.063
Energy.....		ID5	2112	83.605	88.840	87.725	82.710	89.355
Goods excluding foods and energy.....		ID5	2113	141.346	140.370	140.983	140.022	142.234
Services.....		ID5	212	151.648	152.987	152.757	152.826	153.377
Trade services.....		ID5	2123	170.386	172.634	171.550	171.079	170.822
Transportation and warehousing services.....		ID5	2122	169.727	170.533	170.308	170.726	172.776
Transportation of passengers.....		ID5	21221	137.560	136.642	140.629	142.943	137.800
Transportation and warehousing of goods.....		ID5	21222	171.611	172.502	172.072	172.398	174.802
Services less trade, transportation, and warehousing.....		ID5	2121	137.576	138.622	139.320	139.669	139.749
Construction.....		ID5	213	145.988	146.391	146.520	147.368	147.693

See footnotes at end of table.



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

[April 2024, 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. 2023	Jan. 2024 <sup>P</sup>	Feb. 2024 <sup>P</sup>	Mar. 2024 <sup>P</sup>	Apr. 2024 <sup>P</sup>
Inputs to stage 2 services producers.....		ID5	22	145.808	146.488	147.642	147.643	147.678
Goods.....		ID5	221	143.566	143.085	144.253	143.753	144.317
Foods.....		ID5	2211	113.562	112.851	111.105	110.601	109.217
Energy.....		ID5	2212	146.977	147.215	158.639	154.300	156.218
Goods excluding foods and energy.....		ID5	2213	144.050	143.525	144.061	143.811	144.314
Services.....		ID5	222	145.656	146.483	147.654	147.698	147.661
Trade services.....		ID5	2223	192.414	187.041	186.637	186.757	180.717
Transportation and warehousing services.....		ID5	2222	150.887	149.373	150.977	149.532	150.036
Transportation of passengers.....		ID5	22221	137.637	136.688	140.832	143.240	137.894
Transportation and warehousing of goods.....		ID5	22222	153.918	152.294	153.435	151.273	152.858
Services less trade, transportation, and warehousing.....		ID5	2221	143.955	145.249	146.469	146.619	146.822
Construction.....		ID5	223	145.988	146.391	146.520	147.368	147.693
<b>Stage 1 Intermediate Demand</b>								
Stage 1 intermediate demand.....		ID5	1	145.301	145.832	146.397	146.132	146.376
Inputs to stage 1 goods producers.....		ID5	11	142.901	143.516	143.246	141.577	141.765
Goods.....		ID5	111	139.597	139.087	140.094	137.839	138.363
Foods.....		ID5	1111	140.953	135.639	130.497	131.759	130.156
Energy.....		ID5	1112	122.824	122.631	127.486	122.875	123.479
Goods excluding foods and energy.....		ID5	1113	146.989	147.207	148.355	146.014	146.892
Services.....		ID5	112	156.053	159.925	155.919	155.921	155.133
Trade services.....		ID5	1123	170.671	177.078	169.445	168.818	166.789
Transportation and warehousing services.....		ID5	1122	159.432	159.677	161.399	162.649	162.099
Transportation of passengers.....		ID5	11221	137.192	136.240	140.402	142.819	137.451
Transportation and warehousing of goods.....		ID5	11222	163.130	163.669	164.759	165.702	166.364
Services less trade, transportation, and warehousing.....		ID5	1121	111.751	112.427	112.648	113.231	114.037
Construction.....		ID5	113	145.988	146.391	146.520	147.368	147.693
Inputs to stage 1 services producers.....		ID5	12	145.431	145.998	147.017	147.557	147.823
Goods.....		ID5	121	144.145	143.765	147.105	146.948	148.079
Foods.....		ID5	1211	128.021	127.985	144.703	138.850	140.115
Energy.....		ID5	1212	148.441	146.426	156.447	155.670	158.448
Goods excluding foods and energy.....		ID5	1213	150.137	150.505	150.768	150.935	151.348
Services.....		ID5	122	145.302	146.265	146.299	147.130	147.030
Trade services.....		ID5	1223	178.983	177.939	175.926	174.978	173.696
Transportation and warehousing services.....		ID5	1222	144.702	144.481	147.277	147.923	146.584
Transportation of passengers.....		ID5	12221	137.110	136.159	140.318	142.733	137.369
Transportation and warehousing of goods.....		ID5	12222	164.171	164.312	166.690	166.474	167.110
Services less trade, transportation, and warehousing.....		ID5	1221	140.385	141.703	141.545	142.566	142.759
Construction.....		ID5	123	145.988	146.391	146.520	147.368	147.693
Inputs to stage 1 construction producers.....		ID5	13	162.942	163.103	163.927	163.811	164.129
Goods.....		ID5	131	163.576	163.946	165.713	166.255	166.856
Energy.....		ID5	1312	125.383	124.267	138.016	138.407	141.341
Goods excluding foods and energy.....		ID5	1313	170.854	171.409	171.759	172.327	172.656
Services.....		ID5	132	162.422	162.073	160.574	158.830	158.450
Trade services.....		ID5	1323	173.526	173.077	170.642	168.411	167.622
Transportation and warehousing services.....		ID5	1322	120.243	120.050	120.997	120.413	121.001
Transportation and warehousing of goods.....		ID5	13222	124.376	124.176	125.156	124.551	125.160
Services less trade, transportation, and warehousing.....		ID5	1321	139.994	140.930	140.099	140.654	141.246
<b>Intermediate Demand by Production Flow Special Groupings</b>								
Total goods inputs to stage 4 intermediate demand.....	04/10	ID5	9411	143.534	143.388	144.152	143.922	144.388
Total services inputs to stage 4 intermediate demand.....	04/10	ID5	9412	150.994	152.793	152.396	152.911	153.054
Total construction inputs to stage 4 intermediate demand.....	04/10	ID5	9413	144.779	145.178	145.306	146.147	146.469
Total foods inputs to stage 4 intermediate demand.....	04/10	ID5	9414	142.850	140.508	139.423	140.251	140.293
Total energy goods inputs to stage 4 intermediate demand.....	04/10	ID5	9415	130.692	128.401	133.186	131.262	133.376
Total goods less foods and energy inputs to stage 4 intermediate demand.....	04/10	ID5	9416	146.687	147.224	147.611	147.497	147.761
Total goods inputs to stage 3 intermediate demand.....	04/10	ID5	9311	133.634	133.680	136.957	136.597	137.128
Total services inputs to stage 3 intermediate demand.....	04/10	ID5	9312	146.031	146.770	146.315	146.302	146.349
Total construction inputs to stage 3 intermediate demand.....	04/10	ID5	9313	144.779	145.178	145.306	146.147	146.469
Total foods inputs to stage 3 intermediate demand.....	04/10	ID5	9314	138.587	136.847	141.750	143.723	143.104
Total energy goods inputs to stage 3 intermediate demand.....	04/10	ID5	9315	119.883	119.156	127.800	125.929	127.751
Total goods less foods and energy inputs to stage 3 intermediate demand.....	04/10	ID5	9316	140.260	141.227	142.369	141.575	142.169
Total goods inputs to stage 2 intermediate demand.....	04/10	ID5	9211	112.252	114.134	113.243	110.174	114.280
Total services inputs to stage 2 intermediate demand.....	04/10	ID5	9212	147.556	148.507	149.351	149.401	149.504
Total construction inputs to stage 2 intermediate demand.....	04/10	ID5	9213	144.779	145.178	145.306	146.147	146.469
Total foods inputs to stage 2 intermediate demand.....	04/10	ID5	9214	155.809	148.528	140.159	138.320	137.538
Total energy goods inputs to stage 2 intermediate demand.....	04/10	ID5	9215	82.565	87.635	86.683	81.780	88.235
Total goods less foods and energy inputs to stage 2 intermediate demand.....	04/10	ID5	9216	133.876	133.055	133.617	132.867	134.576
Total goods inputs to stage 1 intermediate demand.....	04/10	ID5	9111	128.980	128.697	130.401	129.441	130.099

See footnotes at end of table.

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

[April 2024, 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. 2023	Jan. 2024 <sup>p</sup>	Feb. 2024 <sup>p</sup>	Mar. 2024 <sup>p</sup>	Apr. 2024 <sup>p</sup>
Total services inputs to stage 1 intermediate demand.....	04/10	ID5	9112	147.506	148.879	148.120	148.637	148.402
Total construction inputs to stage 1 intermediate demand.....	04/10	ID5	9117	144.779	145.178	145.306	146.147	146.469
Total foods inputs to stage 1 intermediate demand.....	04/10	ID5	9114	132.257	127.382	123.053	124.075	122.634
Total energy goods inputs to stage 1 intermediate demand.....	04/10	ID5	9115	131.255	130.105	138.055	135.888	137.724
Total goods less foods and energy inputs to stage 1 intermediate demand.....	04/10	ID5	9116	126.735	127.011	127.601	126.797	127.312

<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.

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"/" Data not available.