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Transmission of material in this release is embargoed until 8:30 a.m. (ET) Wednesday, June 14, 2023

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PRODUCER PRICE INDEXES – MAY 2023

The Producer Price Index for final demand declined 0.3 percent in May, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. Final demand prices rose 0.2 percent in April and fell 0.4 percent in March. (See table A.) On an unadjusted basis, the index for final demand moved up 1.1 percent for the 12 months ended in May.

In May, the decline in the final demand index can be traced to prices for final demand goods, which fell 1.6 percent. The index for final demand services increased 0.2 percent.

Prices for final demand less foods, energy, and trade services were unchanged in May after inching up 0.1 percent in April. For the 12 months ended in May, the index for final demand less foods, energy, and trade services increased 2.8 percent.

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

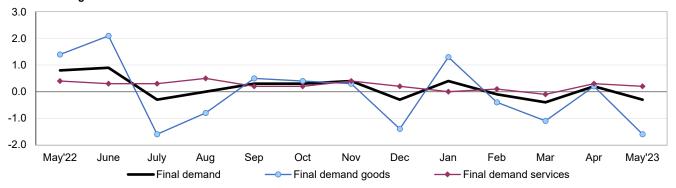
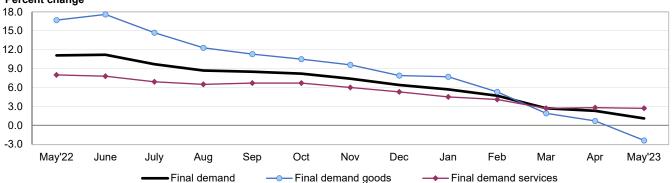


Chart 2. Twelve-month percent changes in selected PPI final demand price indexes, not seasonally adjusted Percent change



Final Demand

Final demand goods: Prices for final demand goods moved down 1.6 percent in May, the largest decrease since falling 1.6 percent in July 2022. Most of the May decline is attributable to the index for final demand energy, which dropped 6.8 percent. Prices for final demand foods moved down 1.3 percent. In contrast, the index for final demand goods less foods and energy increased 0.1 percent.

Product detail: Sixty percent of the May decline in the index for final demand goods can be traced to a 13.8-percent drop in prices for gasoline. The indexes for diesel fuel, chicken eggs, jet fuel, fresh and dry vegetables, and iron and steel scrap also fell. Conversely, prices for tobacco products advanced 1.7 percent. The indexes for electric power and for beverages and beverage materials also increased. (See table 2.)

Final demand services: The index for final demand services moved up 0.2 percent in May following a 0.3-percent advance in April. Leading the May increase, margins for final demand trade services rose 1.0 percent. (Trade indexes measure changes in margins received by wholesalers and retailers.) Prices for final demand services less trade, transportation, and warehousing edged up 0.1 percent. In contrast, the index for final demand transportation and warehousing services declined 1.4 percent.

Product detail: Over 40 percent of the May increase in prices for final demand services can be attributed to margins for automobiles and automobile parts retailing, which rose 4.2 percent. The indexes for fuels and lubricants retailing; apparel, footwear, and accessories retailing; securities brokerage, dealing, investment advice, and related services; machinery and vehicle wholesaling; and food wholesaling also advanced. Conversely, prices for truck transportation of freight fell 2.1 percent. The indexes for portfolio management and for health, beauty, and optical goods retailing also decreased.

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

| | | Final demand | F | Final der | nand god | ods | F | inal den | nand servic | es | Change in final | Change in final demand less |
|-------------------|--------------------------|---|-------|-----------|----------|--------------------------------|-------|----------|--|-------|--|---|
| Month | Total final demand | less foods, energy, and trade | Total | Foods | Energy | Less foods and energy | Total | Trade | Trans- portation and ware- housing | Other | demand from 12 months ago (unadj.) | foods, energy, and trade from 12 mo. ago (unadj.) |
| 2022 | | | | | | | | | | | | |
| May | 0.8 | 0.5 | 1.4 | 0.7 | 4.0 | 0.7 | 0.4 | 0.6 | 2.5 | 0.1 | 11.1 | 6.8 |
| June | 0.9 | 0.3 | 2.1 | -0.1 | 8.4 | 0.5 | 0.3 | 0.5 | 0.8 | 0.1 | 11.2 | 6.4 |
| July | -0.3 | 0.2 | -1.6 | 1.3 | -8.3 | 0.2 | 0.3 | 0.8 | -0.3 | 0.1 | 9.7 | 5.8 |
| Aug | 0.0 | 0.2 | -0.8 | -0.2 | -4.4 | 0.2 | 0.5 | 1.0 | -1.1 | 0.4 | 8.7 | 5.6 |
| Sept | 0.3 | 0.3 | 0.5 | 1.5 | 1.0 | 0.0 | 0.2 | -0.3 | -0.2 | 0.5 | 8.5 | 5.6 |
| Oct | 0.3 | 0.2 | 0.4 | 0.7 | 1.5 | 0.0 | 0.2 | 0.2 | 0.0 | 0.2 | 8.2 | 5.5 |
| Nov | 0.4 | 0.4 | 0.3 | 3.3 | -2.3 | 0.3 | 0.4 | 0.5 | -0.4 | 0.5 | 7.4 | 4.9 |
| Dec | -0.3 | 0.2 | -1.4 | -0.9 | -6.3 | 0.1 | 0.2 | 0.3 | 0.0 | 0.2 | 6.4 | 4.7 |
| 2023 | | | | | | | | | | | | |
| Jan.¹ | 0.4 | 0.5 | 1.3 | -1.3 | 5.4 | 0.6 | 0.0 | -0.8 | -0.5 | 0.5 | 5.7 | 4.4 |
| Feb. ¹ | -0.1 | 0.3 | -0.4 | -2.3 | -0.8 | 0.3 | 0.1 | -0.2 | -0.8 | 0.4 | 4.7 | 4.4 |
| Mar. ¹ | -0.4 | 0.2 | -1.1 | 0.3 | -6.0 | 0.2 | -0.1 | -0.6 | -0.7 | 0.3 | 2.7 | 3.7 |
| Apr.1 | 0.2 | 0.1 | 0.2 | -0.4 | 8.0 | 0.1 | 0.3 | 0.6 | -2.4 | 0.4 | 2.3 | 3.3 |
| May | -0.3 | 0.0 | -1.6 | -1.3 | -6.8 | 0.1 | 0.2 | 1.0 | -1.4 | 0.1 | 1.1 | 2.8 |

¹ Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for January 2023 through April 2023 have been revised to reflect the availability of late reports and corrections by respondents.

Intermediate Demand by Commodity Type

Within intermediate demand in May, the index for processed goods fell 1.5 percent, prices for unprocessed goods dropped 4.8 percent, and the index for services advanced 0.2 percent. (See tables B and C.)

Processed goods for intermediate demand: Prices for processed goods for intermediate demand moved down 1.5 percent in May, the largest decrease since falling 2.5 percent in December 2022. Most of the May decline can be traced to a 6.9-percent drop in the index for processed energy goods. Prices for processed foods and feeds decreased 1.9 percent, while the index for processed materials less foods and energy was unchanged. For the 12 months ended in May, prices for processed goods for intermediate demand fell 7.1 percent, the largest 12-month decline since moving down 7.2 percent in May 2020.

Product detail: In May, over 40 percent of the decrease in prices for processed goods for intermediate demand can be traced to the index for diesel fuel, which dropped 13.7 percent. Prices for gasoline, natural gas to electric utilities, jet fuel, primary basic organic chemicals, and prepared animal feeds also fell. Conversely, the index for commercial electric power rose 1.8 percent. Prices for cold rolled steel sheet and strip and for snack chips also advanced.

Unprocessed goods for intermediate demand: The index for unprocessed goods for intermediate demand fell 4.8 percent in May after increasing 1.6 percent in April. Almost 60 percent of the broad-based decrease is attributable to a 7.8-percent drop in prices for unprocessed energy materials. The indexes for unprocessed foodstuffs and feedstuffs and for unprocessed nonfood materials less energy also moved lower, falling 3.0 percent and 3.3 percent, respectively. For the 12 months ended in May, prices for unprocessed goods for intermediate demand declined 27.5 percent, the largest 12-month decrease since dropping 28.6 percent in April 2020.

Product detail: Nearly 60 percent of the May decline in the index for unprocessed goods for intermediate demand can be traced to prices for crude petroleum, which fell 10.2 percent. The indexes for ungraded chicken eggs, corn, iron and steel scrap, slaughter hogs, and natural gas also moved lower. In contrast, raw milk prices increased 4.8 percent. The indexes for coal and for aluminum base scrap also moved higher.

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

| loi goods b | | | | | demand | Unprod | cessed g | oods for in | termediate | demand |
|-------------|-------|-----------------------|-----------------|--------------------------------|--|--------|---|---------------------|--|--|
| Month | 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.) |
| 2022 | | | | | | | | | | |
| May | 2.2 | 1.2 | 4.4 | 1.7 | 21.6 | 5.4 | 0.3 | 14.6 | -4.2 | 46.4 |
| June | 1.9 | 0.1 | 8.4 | 0.1 | 21.9 | 4.8 | -0.7 | 11.1 | -1.8 | 50.3 |
| July | -2.1 | 0.5 | -8.0 | -0.4 | 17.2 | -8.8 | -1.1 | -14.2 | -5.9 | 32.5 |
| Aug | -1.2 | -0.2 | -3.7 | -0.6 | 14.3 | 4.8 | -0.9 | 10.9 | 0.5 | 36.9 |
| Sept | -0.1 | -0.1 | 2.0 | -0.8 | 12.9 | -3.1 | 1.3 | -6.6 | -0.6 | 29.2 |
| Oct | -0.2 | -0.2 | 1.5 | -0.8 | 10.1 | -9.7 | -0.7 | -18.1 | -4.1 | 9.3 |
| Nov | -0.5 | 0.8 | -1.9 | -0.2 | 7.6 | -3.1 | 0.0 | -6.7 | -0.7 | 3.5 |
| Dec | -2.5 | -0.6 | -9.8 | -0.4 | 4.8 | 1.5 | -0.2 | 5.2 | -1.7 | 10.7 |
| 2023 | | | | | | | | | | |
| Jan.1 | 1.1 | 0.2 | 4.9 | 0.1 | 3.9 | -4.7 | -5.8 | -7.0 | 2.1 | 2.8 |
| Feb.1 | -0.4 | -2.1 | -1.6 | 0.2 | 2.1 | -4.9 | -1.0 | -10.9 | 0.3 | -10.4 |
| Mar.1 | -1.0 | -0.2 | -3.9 | -0.3 | -1.0 | -4.6 | -0.7 | -11.1 | -0.6 | -16.7 |
| Apr.1 | -0.5 | -1.1 | -2.8 | 0.3 | -3.4 | 1.6 | -1.5 | 5.4 | 1.5 | -19.8 |
| May | -1.5 | -1.9 | -6.9 | 0.0 | -7.1 | -4.8 | -3.0 | -7.8 | -3.3 | -27.5 |

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Services for intermediate demand: The index for services for intermediate demand advanced 0.2 percent in May after moving up 0.7 percent in April. A major factor in the May increase was a 0.4-percent rise in prices for services less trade, transportation, and warehousing for intermediate demand. Margins for trade services for intermediate demand advanced 0.2 percent. Conversely, the index for transportation and warehousing services for intermediate demand decreased 0.9 percent. For the 12 months ended in May, prices for services for intermediate demand increased 3.9 percent.

Product detail: Leading the May advance in the index for services for intermediate demand, prices for business loans (partial) rose 3.2 percent. The indexes for securities brokerage, dealing, investment advice, and related services; food wholesaling; fuels and lubricants retailing; investment banking; and ground courier and messenger services also moved higher. In contrast, prices for truck transportation of freight fell 2.1 percent. The indexes for portfolio management and for machinery and equipment parts and supplies wholesaling also declined.

Table C. Monthly and 12-month percent changes in selected intermediate demand price

indexes for services by commodity type, seasonally adjusted

| | Services for intermediate demand Total, change from 12 months ago (unadj.) | | | | | | | | | | | |
|-------------------|--|-------|------|-------|----------------|--|--|--|--|--|--|--|
| Month | Total | Trade | | Other | from 12 months | | | | | | | |
| 2022 | | | | | | | | | | | | |
| May | 0.6 | 0.8 | 0.5 | 0.5 | 7.9 | | | | | | | |
| June | -0.3 | -0.5 | 0.1 | -0.3 | 6.3 | | | | | | | |
| July | 0.3 | 0.2 | 1.1 | 0.1 | 5.9 | | | | | | | |
| Aug | 0.6 | -0.9 | -0.3 | 1.3 | 6.0 | | | | | | | |
| Sept | 0.5 | 0.1 | -0.4 | 0.8 | 6.2 | | | | | | | |
| Oct | 0.4 | 0.0 | 0.6 | 0.5 | 6.7 | | | | | | | |
| Nov | 0.8 | 0.9 | -1.3 | 1.2 | 6.9 | | | | | | | |
| Dec | 0.0 | -1.3 | 0.0 | 0.4 | 6.0 | | | | | | | |
| 2023 | | | | | | | | | | | | |
| Jan. ¹ | 1.0 | 0.8 | 0.5 | 1.1 | 6.3 | | | | | | | |
| Feb. ¹ | 0.2 | -0.8 | 0.0 | 0.5 | 6.1 | | | | | | | |
| Mar.1 | -0.2 | 0.9 | -0.9 | -0.4 | 4.5 | | | | | | | |
| Apr. ¹ | 0.7 | 1.6 | -1.1 | 0.9 | 4.4 | | | | | | | |
| May | 0.2 | 0.2 | -0.9 | 0.4 | 3.9 | | | | | | | |

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Intermediate Demand by Production Flow

Stage 4 intermediate demand: Prices for stage 4 intermediate demand decreased 0.2 percent in May after increasing 0.4 percent in April. In May, the index for total goods inputs to stage 4 intermediate demand moved down 0.6 percent. Conversely, prices for total services inputs edged up 0.1 percent. (See table D.) Decreases in the indexes for gasoline; diesel fuel; portfolio management; machinery and equipment parts and supplies wholesaling; warehousing, storage, and related services; and grains outweighed rising prices for securities brokerage, dealing, investment advice, and related services; business loans (partial); and commercial electric power. For the 12 months ended in May, the index for stage 4 intermediate demand advanced 1.5 percent.

Stage 3 intermediate demand: The index for stage 3 intermediate demand declined 1.0 percent in May, the fourth consecutive decrease. In May, prices for total goods inputs to stage 3 intermediate demand fell 2.4 percent. In contrast, the index for total services inputs inched up 0.1 percent. Declines in prices for diesel fuel; ungraded chicken eggs; jet fuel; grains; gasoline; and warehousing, storage, and related services outweighed increases in the indexes for business loans (partial), raw milk, and asphalt. For the 12 months ended in May, prices for stage 3 intermediate demand fell 6.5 percent, the largest 12-month decrease since dropping 8.1 percent in May 2020.

Stage 2 intermediate demand: The index for stage 2 intermediate demand declined 1.4 percent in May after rising 1.3 percent in April. In May, prices for total goods inputs to stage 2 intermediate demand moved down 4.0 percent. Conversely, the index for total services inputs advanced 0.6 percent. Falling prices for crude petroleum, gas fuels, iron and steel scrap, prepared animal feeds, broadcast and network television advertising time sales, and primary basic organic chemicals outweighed increases in the indexes for business loans (partial), fuels and lubricants retailing, and coal. For the 12 months ended in May, prices for stage 2 intermediate demand decreased 9.8 percent, the largest 12-month decline since dropping 10.3 percent in April 2020.

Stage 1 intermediate demand: The index for stage 1 intermediate demand declined 0.9 percent in May, the largest decrease since moving down 1.8 percent in December 2022. In May, prices for total goods inputs to stage 1 intermediate demand fell 1.8 percent, while the index for total services inputs was unchanged. Decreasing prices for diesel fuel, gasoline, natural gas to electric utilities, grains, iron and steel scrap, and truck transportation of freight outweighed advances in the indexes for securities brokerage, dealing, investment advice, and related services; residual fuels; and commercial electric power. For the 12 months ended in May, prices for stage 1 intermediate demand declined 3.6 percent, the largest 12-month decrease since dropping 4.5 percent in July 2020.

Table D. Monthly percent changes in selected intermediate demand price indexes by

| production | now, | seasona | ılıy auju | stea | | | | | | | | |
|-------------------|-------|----------|-------------------------|-------|-----------------|-------------------------|-------|-----------------|-------------------------|-------|----------|-------------------------|
| | Stage | 4 interr | | Stage | 3 interr | | Stage | 2 interr | | Stage | 1 intern | |
| Month | Total | Goods | Ser- vices inputs | Total | Goods inputs | Ser- vices inputs | Total | Goods inputs | Ser- vices inputs | Total | Goods | Ser- vices inputs |
| 2022 | | | | | | | | | | | | |
| May | 0.9 | 1.4 | 0.5 | 1.7 | 2.5 | 0.7 | 3.6 | 6.6 | 0.3 | 1.5 | 2.1 | 8.0 |
| June | 0.3 | 1.0 | -0.3 | 0.5 | 1.4 | -0.5 | 2.9 | 5.3 | 0.1 | 1.0 | 2.4 | -0.6 |
| July | -0.4 | -0.8 | 0.0 | -1.2 | -2.6 | 0.4 | -4.1 | -8.2 | 0.9 | -1.6 | -2.8 | -0.3 |
| Aug | 0.3 | 0.0 | 0.6 | -1.3 | -2.6 | 0.1 | 3.0 | 4.8 | 1.2 | -0.4 | -1.2 | 0.5 |
| Sept | 0.4 | 0.1 | 0.7 | 0.0 | -0.1 | 0.1 | -1.9 | -4.0 | 0.3 | 0.3 | 0.3 | 0.2 |
| Oct | 0.1 | -0.1 | 0.2 | -0.1 | -0.6 | 0.5 | -4.7 | -9.8 | 8.0 | 0.1 | -0.2 | 0.4 |
| Nov | 0.4 | -0.2 | 1.0 | -0.4 | -1.1 | 0.3 | -1.0 | -2.9 | 8.0 | 0.1 | -0.6 | 0.9 |
| Dec | -0.4 | -0.7 | 0.0 | -2.0 | -3.8 | 0.0 | 1.0 | 1.5 | 0.6 | -1.8 | -3.0 | -0.4 |
| 2023 | | | | | | | | | | | | |
| Jan. ¹ | 1.0 | 0.8 | 1.2 | 0.2 | -0.5 | 0.9 | -0.9 | -2.9 | 0.9 | 0.7 | 8.0 | 0.7 |
| Feb.1 | 0.0 | -0.1 | 0.0 | -0.3 | -0.6 | 0.1 | -1.4 | -4.5 | 1.2 | -0.4 | -0.4 | -0.3 |
| Mar.1 | -0.2 | -0.5 | 0.0 | -0.7 | -1.1 | -0.4 | -2.5 | -4.9 | -0.6 | -0.4 | -1.0 | 0.2 |
| Apr. ¹ | 0.4 | -0.2 | 0.8 | -0.1 | -1.2 | 8.0 | 1.3 | 1.9 | 8.0 | 0.0 | -0.7 | 0.6 |
| May | -0.2 | -0.6 | 0.1 | -1.0 | -2.4 | 0.1 | -1.4 | -4.0 | 0.6 | -0.9 | -1.8 | 0.0 |

Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for January 2023 through April 2023 have been revised to reflect the availability of late reports and corrections by respondents.

The Producer Price Index for June 2023 is scheduled to be released on Thursday, July 13, 2023, 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 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, 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/.

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 | PPI Detailed Report Issue |
|--|--------------|------------------------------|
| | SIC | |
| Wireless telecommunications | 4812 | July 1999 |
| Telephone communications, except radio telephone | 4813 4833 | July 1995 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 |
|---|------------------|------------------------------|
| | SIC | |
| 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 6282 | January 2001 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 6531 | January 1996 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 |
| | NAICS | |
| 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 |
| building work | 23816X | July 2008 |
| Electrical contractors, nonresidential building work | 23821X | July 2008 |
| nonresidential building work | 23822X 423 | July 2008 July 2005 |
| Merchant wholesalers, nondurable goods | 424 443 | July 2005 January 2004 |
| Building material and garden equipment and supplies dealers | 444 | January 2004 |
| music stores | 451 452 | January 2004 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 522110 | January 2010 January 2005 |
| Savings institutions | 522120 | January 2005 |
| Direct health and medical insurance carriers | 524114 | July 2004 |

| Title | Code | PPI Detailed Report Issue | | |
|---|------------------|------------------------------|--|--|
| | NAICS | | | |
| Construction, mining, and forestry machinery and equipment rental and leasing | 532412 541610 | January 2005 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.

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 inde | ex 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.

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). 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.

Industry-product code,

<u>current NAICS series</u> pcu325---325--pcu336110336110

pcu621111621111411

Provides data for:
Chemical manufacturing
Automobile and light duty
motor vehicle manufacturing
Offices of physicians, one- and

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.)

Industry-product code,

discontinued SIC series

pdu28__# pdu331_# Provides data for:

Chemicals and allied products Blast furnaces, steel works, and rolling and finishing mills

pdu3711#111

Passenger cars

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

Industry-product code, discontinued NAICS series ndu212231212231 ndu2122312122312 ndu212231212231214

Provides data for Lead and zinc ore mining Lead, zinc concentrates Lead concentrates

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

Industry Data Industry Data - Discontinued (NAICS basis) (SIC basis) Commodity Data (incl. FD-ID) Commodity Data – Discontinued /pub/time.series/wd Special requests

/pub/time.series/pc /pub/time.series/nd /pub/time.series/pd /pub/time.series/wp /pub/special.requests/ppi

Directory:

Additional information

PPI homepage (www.bls.gov/ppi) 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. 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

[May 2023]

| Grouping | | nmodity | Relative Impor- tance | Unadjusted 12-month percent change ² | Seaso | onally adjus | ted 1-month | n percent ch | percent change ² | |
|---|---------------|-----------------|-----------------------------|--|-----------------|------------------------------|------------------------------|------------------------------|-----------------------------|--|
| | Group code | Item code | Dec. 2022 ¹ | May 2022 to May 2023 ^p | Dec. to Jan. | Jan. to Feb. ^p | Feb. to Mar. ^p | Mar. to Apr. ^p | Apr. to May ^p | |
| Final Demand | | | | | | | | | | |
| Final demand | FD | 4 | 100.000 | 1.1 | 0.4 | -0.1 | -0.4 | 0.2 | -0.3 | |
| Final demand goods | 1 | 41 | 30.653 | -2.4 | 1.3 | -0.4 | -1.1 | 0.2 | -1.6 | |
| Final demand foods | 1 | 411 | 5.940 | 0.3 | -1.3 | -2.3 | 0.3 | -0.4 | -1.3 | |
| Finished consumer foods ³ | I | 4111 | 4.511 | 1.7 | -1.3 | -2.7 | 8.0 | -0.5 | -1.3 | |
| Finished consumer foods, crude | 1 | 41113 | 0.606 | -11.5 | -17.4 | -18.9 | 4.0 | 2.0 | -16.3 | |
| Finished consumer foods, processed | FD | 41112 | 3.905 | 2.5 | 1.2 | -0.6 | 0.4 | -0.8 | 0.4 | |
| Government purchased foods | FD | 4112 | 0.406 | 0.5 | 0.0 | -1.4 | 0.3 | -1.0 | -0.3 | |
| Foods for export | FD | 4113 | 1.023 | -6.6 | -2.1 | -1.3 | -1.9 | 0.1 | -2.0 | |
| Final demand energy. | FD | 412 | 5.853 | -18.1 | 5.4 | -0.8 | -6.0 | 0.8 | -6.8 | |
| Finished consumer energy goods ³ | 1 | 4121 | 4.451 | -14.7 | 5.7 | 0.0 | -6.6 | 2.4 | -6.6 | |
| Government purchased energy | FD | 4122 | 0.942 | -27.6 | 6.9 | -3.2 | -4.9 | -4.5 | -7.9 | |
| Energy for export. | I | 4123 | 0.460 | -31.8 | 0.9 | -3.8 | -2.2 | -5.0 | -7.0 | |
| Final demand goods less foods and energy | | 413 | 18.859 | 2.6 | 0.6 | 0.3 | 0.2 | 0.1 | 0.1 | |
| <i>5</i> | 1 | 4131 | 10.768 | 4.9 | 0.7 | 0.3 | 0.3 | 0.1 | 0.3 | |
| Finished consumer goods less foods and energy Nondurable consumer goods less foods and energy | 1 | 41311 413111 | 5.731 3.441 | 4.7 5.7 | 0.7 0.8 | 0.5 0.7 | 0.3 0.3 | 0.0 0.2 | 0.3 0.3 | |
| Durable consumer goods | 1 | 413111 | 2.290 | 3.2 | 0.6 | 0.7 | 0.3 | -0.1 | 0.3 | |
| Private capital equipment. | I | 413112 | 5.037 | 5.2 | 0.5 | 0.2 | 0.2 | 0.1 | 0.2 | |
| Private capital equipment for manufacturing industries | FD | 413121 | 1.222 | 6.1 | 0.7 | 0.2 | 0.4 | 0.1 | 0.4 | |
| Private capital equipment for nonmanufacturing industries | FD | 413122 | 3.815 | 4.9 | 0.5 | 0.2 | 0.4 | 0.1 | 0.7 | |
| Government purchased goods, excluding foods and energy | FD | 413122 | 1.967 | 1.6 | 0.7 | 0.2 | 0.4 | 0.0 | -0.1 | |
| Government purchased goods, excluding foods, energy, and capital | ' | 4102 | 1.307 | 1.0 | 0.5 | 0.2 | 0.0 | 0.0 | -0.1 | |
| equipment | FD | 41321 | 1.160 | 1.1 | 0.4 | 0.2 | -0.3 | 0.0 | -0.3 | |
| Government purchased capital equipment | FD | 41322 | 0.807 | 2.3 | 0.1 | 0.2 | 0.3 | 0.0 | 0.1 | |
| Goods for export, excluding foods and energy | FD | 4133 | 6.124 | -1.0 | 0.6 | 0.4 | 0.1 | 0.3 | -0.3 | |
| Final demand services | FD | 42 | 66.677 | 2.7 | 0.0 | 0.1 | -0.1 | 0.3 | 0.2 | |
| Final demand trade services ⁴ | FD | 423 | 19.700 | 2.9 | -0.8 | -0.2 | -0.6 | 0.6 | 1.0 | |
| Trade of finished goods ³ | FD | 4231 | 17.049 | 2.9 | -0.9 | -0.1 | -0.7 | 0.4 | 1.2 | |
| Trade of personal consumption goods | FD | 42311 | 13.855 | 3.4 | -0.4 | -0.1 | -0.9 | 0.5 | 1.2 | |
| Trade of private capital equipment | FD | 42312 | 3.194 | 0.4 | -3.0 | -0.4 | 0.3 | 0.0 | 0.9 | |
| Trade of government purchased goods | FD | 4232 | 0.750 | 3.3 | -1.5 | -0.3 | -0.4 | 1.7 | 0.4 | |
| Trade of government purchased goods, excluding capital equipment | FD | 42321 | 0.457 | 4.0 | -0.2 | -0.5 | -0.1 | 2.6 | 0.1 | |
| Trade of government purchased capital equipment | 1 | 42322 | 0.293 | 2.3 | -3.5 | 0.0 | -0.9 | 0.3 | 0.9 | |
| Trade of exports | FD | 4233 | 1.901 | 2.8 | -0.3 | -0.7 | 0.4 | 1.3 | 0.2 | |
| Final demand transportation and warehousing services | FD | 422 | 5.213 | -6.8 | -0.5 | -0.8 | -0.7 | -2.4 | -1.4 | |
| Transportation of passengers for final demand | FD | 4221 | 1.275 | 1.9 | 2.3 | -1.1 | 1.3 | -2.9 | -1.1 | |
| Transportation of private passengers | FD | 42211 | 0.860 | 1.9 | 2.3 | -1.1 | 1.3 | -2.9 | -1.1 | |
| Transportation of government passengers | FD | 42212 | 0.103 | 1.8 | 2.3 | -1.1 | 1.3 | -2.9 | -1.1 | |
| Transportation of passengers for export | FD | 42213 | 0.312 | 1.9 | 2.3 | -1.1 | 1.3 | -2.9 | -1.1 | |
| Transportation and warehousing of goods for final demand | FD | 4222 | 3.938 | -9.6 | -1.4 | -0.7 | -1.4 | -2.3 | -1.6 | |
| Transportation and warehousing of finished goods ³ | FD | 42221 | 2.567 | -10.4 | -1.6 | -0.7 | -1.4 | -2.4 | -1.7 | |
| Transportation and warehousing of personal consumption goods | 1 | 422211 | 2.063 | -10.1 | -1.5 | -0.7 | -1.4 | -2.4 | -1.6 | |
| Transportation and warehousing of private capital equipment | 1 | 422212 | 0.504 | -11.7 | -1.9 | -0.8 | -1.5 | -2.6 | -1.8 | |
| Transportation and warehousing of government purchased goods | 1 | 42222 | 0.233 | -7.0 | -0.9 | -0.4 | -1.2 | -2.0 | -1.6 | |
| Transportation and warehousing of exports | | 42223 | 1.138 | -8.3 | -1.1 | -0.5 | -1.3 | -1.9 | -1.3 | |
| Final demand services less trade, transportation, and warehousing | I | 421 | 41.763 | 3.7 | 0.5 | 0.4 | 0.3 | 0.4 | 0.1 | |
| Finished services less trade, transportation, and warehousing ³ Finished consumer services less trade, transportation, and | FD | 4211 | 36.505 | 3.5 | 0.4 | 0.3 | 0.4 | 0.4 | 0.0 | |
| warehousing | FD | 42111 | 32.158 | 3.6 | 0.4 | 0.3 | 0.4 | 0.5 | 0.0 | |
| Private capital investment services less trade, transportation, and | | | | | | | | | | |
| warehousing | FD | 42112 | 4.347 | 3.2 | 0.4 | 0.0 | 0.3 | -0.2 | 0.6 | |
| warehousing | FD | 4212 | 2.674 | 2.8 | 0.9 | 0.1 | 0.0 | 0.6 | 0.0 | |
| excl. capital investment. Government purchased capital investment services less trade, | FD | 42121 | 2.515 | 2.9 | 0.8 | 0.1 | 0.0 | 0.6 | 0.0 | |
| transportation, and warehousing | FD | 42122 | 0.159 | 1.1 | 1.4 | 0.6 | 0.0 | -0.5 | 0.3 | |
| Services for export less trade, transportation, and warehousing | FD | 4213 | 2.584 | 7.1 | 1.7 | 1.5 | -0.5 | 0.5 | 0.5 | |
| Final demand construction | FD | 43 | 2.670 | 10.9 | 1.9 | 0.0 | 0.1 | -0.3 | 0.2 | |
| Construction for private capital investment | FD | 431 | 1.856 | 11.6 | 1.9 | 0.0 | 0.1 | -0.3 | 0.1 | |
| Construction for government | FD | 432 | 0.814 | 9.7 | 1.8 | 0.1 | 0.2 | -0.2 | 0.2 | |
| Special Groupings of Final Demand | | | | | | | | | | |
| Final demand less exports | FD | 49101 | 86.458 | 1.5 | 0.4 | -0.1 | -0.4 | 0.2 | -0.3 | |
| Final demand less government | FD | 49102 | 92.111 | 1.3 | 0.4 | 0.0 | -0.3 | 0.3 | -0.3 | |

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

[May 2023]

| Grouping | | nmodity ode | Relative Impor- tance | Unadjusted 12-month percent change ² | Seaso | easonally adjusted 1-month percent change ² | | | | |
|--|---------------|----------------|-----------------------------|--|-----------------|--|------------------------------|------------------------------|-----------------------------|--|
| Grouping | Group code | Item code | Dec. 2022 ¹ | May 2022 to May 2023 ^p | Dec. to Jan. | Jan. to Feb. ^p | Feb. to Mar. ^p | Mar. to Apr. ^p | Apr. to May ^p | |
| Final demand less foods, food and nonalcoholic beverages for immediate | -D | 40400 | 07.704 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| consumption, and energy ⁵ | FD FD | 49103 49104 | 87.791 88.207 | 2.8 2.8 | 0.2 0.2 | 0.2 0.2 | 0.0 0.0 | 0.2 0.2 | 0.2 0.2 | |
| Final demand less foods and food and nonalcoholic beverages for immediate | | | | | | | | | | |
| consumption ⁵ | FD | 49105 | 93.644 | 1.0 | 0.5 | 0.1 | -0.4 | 0.3 | -0.3 | |
| Final demand less foods ⁵ | FD FD | 49106 49107 | 94.060 94.147 | 1.1 2.7 | 0.5 0.1 | 0.1 0.0 | -0.4 0.0 | 0.2 0.2 | -0.3 0.1 | |
| Final demand less trade services. | FD | 49108 | 80.300 | 0.6 | 0.7 | 0.0 | -0.3 | 0.1 | -0.6 | |
| Final demand less distributive services ⁶ | FD | 49109 | 76.362 | 1.1 | 0.8 | 0.0 | -0.3 | 0.2 | -0.6 | |
| Final demand goods less energy | | 49111 | 24.799 | 2.0 | 0.2 | -0.3 | 0.2 | 0.0 | -0.3 | |
| Final demand goods less foods. | | 49112 | 24.712 | -2.9 | 1.9 | 0.0 | -1.4 | 0.3 | -1.6 | |
| Final demand services less trade services. Final demand distributive services ⁶ . | FD FD | 49113 49114 | 46.976 23.638 | 2.5 0.9 | 0.4 -0.9 | 0.2 -0.3 | 0.2 -0.7 | 0.1 0.1 | -0.1 0.6 | |
| Final demand goods plus final demand distributive services ⁶ | | 49115 | 54.290 | -1.1 | 0.3 | -0.3 | -0.7 | 0.1 | -0.6 | |
| Final demand less foods, energy, and trade services ⁵ | FD | 49116 | 68.507 | 2.8 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | |
| Private and government purchased capital equipment | FD | 49117 | 5.844 | 4.8 | 0.6 | 0.2 | 0.4 | 0.1 | 0.4 | |
| Private and government purchased capital investment services | FD | 49118 | 8.497 | 1.2 | -1.1 | -0.1 | 0.2 | -0.2 | 0.6 | |
| Total private and government purchased capital investment | FD FD | 49119 49201 | 14.341 78.567 | 3.7 1.8 | -0.1 0.3 | 0.0 0.0 | 0.2 -0.3 | -0.1 0.3 | 0.4 -0.2 | |
| Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy ^{3, 5} . | FD | 49201 | 69.193 | 3.2 | 0.3 | 0.1 | 0.0 | 0.3 | 0.3 | |
| Total finished less foods and energy ^{3, 5} | FD | 49203 | 69.605 | 3.2 | 0.1 | 0.1 | 0.0 | 0.2 | 0.3 | |
| Total finished less foods and food and nonalcoholic beverages for immediate consumption ^{3, 5} | FD | 49204 | 73.644 | 1.8 | 0.4 | 0.1 | -0.4 | 0.3 | -0.2 | |
| Total finished less foods ^{3, 5} | FD | 49205 | 74.056 | 1.8 | 0.4 | 0.1 | -0.4 | 0.3 | -0.2 | |
| Total finished less energy ³ | FD | 49206 | 74.116 | 3.2 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | |
| Finished goods ³ | FD | 49207 | 19.730 | -0.9 | 1.5 | -0.4 | -1.3 | 0.5 | -1.7 | |
| Finished goods less energy ³ | FD | 49208 | 15.279 | 4.0 | 0.1 | -0.5 | 0.4 | -0.1 | -0.1 | |
| Finished goods, excluding foods ^{3, 5} | | 49209 49210 | 15.219 56.981 | -1.5 2.7 | 2.3 0.0 | 0.2 0.1 | -1.9 0.0 | 0.8 0.2 | -1.8 0.3 | |
| Private capital investment services. | 1 | 49211 | 8.045 | 1.2 | -1.1 | -0.2 | 0.0 | -0.2 | 0.6 | |
| Finished distributive services ^{3, 6} | | 49212 | 19.616 | 1.2 | -1.0 | -0.2 | -0.8 | 0.1 | 0.8 | |
| Finished services less trade services ³ | 1 | 49213 | 39.932 | 2.6 | 0.3 | 0.2 | 0.3 | 0.2 | -0.1 | |
| Finished services less distributive services ^{3, 6} | FD | 49214 | 37.365 | 3.5 | 0.4 | 0.3 | 0.4 | 0.3 | 0.0 | |
| Total private capital investment (goods, services, and construction) | FD FD | 49215 49216 | 14.938 39.346 | 3.6 0.0 | -0.1 0.2 | 0.0 -0.3 | 0.3 -1.1 | -0.1 0.3 | 0.5 -0.5 | |
| Total exports | FD | 49301 | 13.542 | -1.2 | 0.2 | 0.1 | -0.3 | 0.0 | -0.5 | |
| Goods for export. | FD | 49302 | 7.607 | -3.8 | 0.3 | -0.1 | -0.3 | 0.0 | -0.9 | |
| Services for export | FD | 49303 | 5.935 | 2.5 | 0.6 | 0.3 | -0.3 | 0.1 | 0.0 | |
| Total government purchases | FD | 49401 | 7.889 | -1.8 | 1.2 | -0.4 | -0.6 | -0.4 | -1.0 | |
| Government purchased goods. | FD FD | 49402 49403 | 3.315 | -7.7 2.3 | 2.2 | -1.0 0.0 | -1.4 -0.1 | -1.4 0.5 | -2.3 | |
| Government purchased services | FD | 49403 | 3.760 2.073 | 4.8 | 0.3 0.4 | 0.0 | 0.1 | -0.1 | 0.0 0.3 | |
| Government purchases, defense | 1 | 49405 | 2.344 | -4.6 | 1.3 | -0.6 | -0.5 | -1.2 | -1.2 | |
| Government purchases, non-defense | FD | 49406 | 5.545 | -0.7 | 1.2 | -0.4 | -0.7 | 0.0 | -0.8 | |
| Personal consumption. | 1 | 49501 | 63.629 | 1.4 | 0.5 | 0.0 | -0.5 | 0.4 | -0.4 | |
| Personal consumption goods (finished consumer goods). | | 49502 | 14.693 | -3.0 | 1.7 | -0.6 | -1.9 | 0.6 | -2.4 | |
| Personal consumption goods less energy. Personal consumption goods less foods. | 1 | 49503 49504 | 10.242 10.182 | 3.4 -4.6 | -0.2 3.0 | -0.9 0.2 | 0.5 -2.9 | -0.2 1.1 | -0.4 -2.8 | |
| Personal consumption nondurable goods less foods. | 1 | 49508 | 7.892 | -6.4 | 3.8 | 0.3 | -3.8 | 1.4 | -3.7 | |
| Personal consumption services. | FD | 49505 | 48.936 | 3.0 | 0.1 | 0.1 | -0.1 | 0.3 | 0.2 | |
| Personal consumption less trade services. | FD | 49506 | 49.774 | 0.8 | 0.7 | 0.0 | -0.4 | 0.4 | -0.8 | |
| Personal consumption less distributive services ⁶ | FD | 49507 | 47.711 | 1.3 | 0.8 | 0.0 | -0.3 | 0.5 | -0.8 | |
| Personal consumption less foods and energy Personal consumption less foods, energy, and trade services ⁴ | FD FD | 49510 49511 | 54.667 40.812 | 3.2 3.0 | 0.2 0.4 | 0.2 0.3 | 0.0 0.3 | 0.3 0.2 | 0.2 -0.1 | |
| Personal consumption less foods, energy, and trade services | FD | 49511 | 38.749 | 3.0 | 0.4 | 0.3 | 0.3 | 0.2 | -0.1 0.0 | |
| Personal consumption goods plus personal consumption distributive services ⁶ | | 49509 | 30.611 | -0.7 | 0.5 | -0.4 | -1.4 | 0.4 | -0.7 | |
| Intermediate Demand by Commodity Type | | | | | | | | | | |
| Processed goods | IDO | | 100.000 | | | 0.1 | 4.0 | 0.5 | | |
| Processed goods for intermediate demand | | 11 | 100.000 42.908 | -7.1 -5.9 | 1.1 0.0 | -0.4 0.0 | -1.0 -0.5 | -0.5 0.3 | -1.5 -0.2 | |
| Materials for manufacturing. | 1 | 111 | 26.996 | -10.4 | -0.3 | -0.1 | -0.5 | 0.3 | -0.2 | |
| Materials for food manufacturing. | 1 | 1111 | 4.432 | -6.9 | 0.3 | -2.4 | 0.0 | -1.1 | -2.4 | |
| Materials for nondurable manufacturing | 1 | 1112 | 12.302 | -10.2 | 0.0 | -0.3 | -1.8 | 0.0 | -1.4 | |
| Materials for durable manufacturing | ID6 | 1113 | 10.262 | -11.5 | -0.9 | 1.0 | -0.1 | 1.4 | 1.8 | |
| Components for manufacturing | ID6 | 112 | 15.912 | 3.1 | 0.6 | 0.3 | 0.2 | 0.2 | 0.0 | |

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

[May 2023]

| Commontable manufacturing includes Commontable manufacturing includes Commontable manufacturing includes Commontable manufacturing C | | | | | | | | | | | |
|--|---|-----|------|---------|------------------|-------|------------------------------|---|------------------------------|-----------------------------|--|
| Components for nondurable manufacturing Dec. | Grouping | | | Impor- | 12-month percent | Seaso | onally adjus | djusted 1-month percent change ² | | | |
| Materials and components for construction | | | | Dec. | to | | Jan. to Feb. ^p | | Mar. to Apr. ^p | Apr. to May ^p | |
| Materials or construction D6 12 10.348 0.2 0.1 0.1 0.4 0.1 | nondurable manufacturing | ID6 | 1121 | 0.793 | 1.4 | -0.4 | 0.1 | -0.3 | 0.2 | -0.3 | |
| Materials for construction | durable manufacturing | ID6 | 1122 | 15.119 | 3.2 | 0.6 | 0.3 | 0.2 | 0.2 | 0.0 | |
| Components for construction | nents for construction | ID6 | 12 | 10.348 | -0.2 | 0.1 | -0.1 | 0.4 | 0.1 | -0.1 | |
| Processed fuels and lubricants for intermediate demand. | ruction | ID6 | 1 | 4.574 | -3.0 | -0.5 | 0.1 | 0.1 | 0.1 | 0.0 | |
| Processed fuels and ubbricants to manufacturing industries. 106 132 1414 23.2 0.5 0.7 0.4 0.2 0. | | | I | | _ | | | | | -0.2 | |
| Processed fuels and lubricants to nonmanufacturing industries. 106 122 14,814 2-32 6,0 -1,0 -4,9 2-3 2.0 | | | I | | | | | | | -6.9 | |
| Containers for infermediate demand 108 14 3.107 1.7 0.1 -0.3 -0.8 -0.2 Supples to manufacturing industries 108 151 2.307 0.5 -0.3 0.1 0.0 0.1 Supples to nomanufacturing industries 106 152 2.363 3.7 0.5 -0.2 -0.1 -0.2 Supples to nomanufacturing industries, feets 106 152 2.363 3.7 0.5 -2.2 -1.3 -1.6 Supples to nomanufacturing industries, feets 106 1521 2.363 3.7 0.5 -2.2 -1.3 -1.6 Supples to nomanufacturing industries, other than feeds 106 1521 2.363 3.7 0.5 -2.2 -1.3 -1.6 Supples to nomanufacturing industries, other than feeds 108 1522 18.271 1.3 0.5 0.0 0.0 0.1 Supples to nomanufacturing industries, other than feeds 108 1522 18.271 1.3 0.5 0.0 0.0 0.1 Supples to nomanufacturing industries 106 21 36.088 -1.37 -5.6 -1.0 -0.7 -1.5 Unprocessed goods for intermediate demand 106 21 36.088 -1.37 -5.6 -1.0 -0.7 -1.5 Unprocessed nonfood materials except fuel 108 221 43.810 -2.32 0.3 1.9 -4.2 7.1 Unprocessed nonfood materials except fuel 108 221 43.810 -2.32 0.3 1.9 -4.2 7.1 Unprocessed nonfood materials except fuel to nomanufacturing industries 108 221 43.810 -2.32 0.3 1.9 -4.2 7.1 Unprocessed fuel to manufacturing industries 106 221 19.04 11.0 3.5 -9.8 7.9 0.9 Unprocessed fuel to manufacturing industries 106 222 17.446 -6.8 -1.46 -3.18 -0.0 -1.5 Services for intermediate demand 106 33 18.27 0.8 0.8 0.8 0.8 0.9 1.6 Trade services for intermediate demand 106 33 18.27 0.8 0.8 0.8 0.9 1.6 Trade services for intermediate demand 106 32 14.516 -2.7 0.5 0.0 0.9 1.1 Transportation and warehousing services for intermediate demand 106 321 10.817 1.9 2.3 -1.1 1.3 -2.9 Transportation and warehousing of goods for intermediate demand 106 321 10.107 1.9 2.3 -1.1 1.3 -2.9 | <u> </u> | | I | | | | | | | -4.7 | |
| Supplies for intermediate demand. 106 15 23,807 0.7 0.4 0.2 0.1 0.0 0.1 | | | 1 | | | | | | | -7.6 0.4 | |
| Supplies to manufacturing industries. 106 151 3,773 0.5 0.5 0.5 0.2 0.1 0.2 | | | I | | | | | | | -0.3 | |
| Supplies to normanufacturing industries. D6 152 20.834 0.8 0.5 -0.2 -0.1 -0.2 | | | 1 | | | | | | | -0.2 | |
| Supplies to nonmanufacturing industries, other than feeds. D6 1522 18.271 1.3 0.6 0.0 0.1 0.1 | 9 | | 1 | | | | | | | -0.4 | |
| Unprocessed goods for intermediate demand. | · · | ID6 | 1521 | 2.363 | -3.7 | -0.5 | -2.2 | -1.3 | -1.6 | -2.0 | |
| Unprocessed goods for intermediate demand | manufacturing industries, other than feeds | ID6 | 1522 | 18.271 | 1.3 | 0.6 | 0.0 | 0.1 | -0.1 | -0.2 | |
| Unprocessed roodstuffs and feedstuffs | Unprocessed goods | | | | | | | | | | |
| Unprocessed nonfood materials except fuel. 106 22 45.514 -22.0 0.4 1.8 -4.0 6.8 | | | I | | | | | | | -4.8 | |
| Unprocessed nonflood materials except fuel. 106 221 43.514 -22.0 0.4 1.8 -4.0 6.8 Unprocessed nonflood materials except fuel to manufacturing industries. 106 2211 43.610 -23.2 0.3 1.9 -4.2 7.1 Unprocessed nonflood materials except fuel to nonmanufacturing industries. 106 221 1.94 11.0 3.5 0.9 0.0 0.1 Unprocessed fuel. 106 222 18.428 -65.8 -1.46 -31.8 2.00 -11.5 Unprocessed fuel to manufacturing industries. 106 2221 1.982 -24.2 3.6 -9.8 7.9 0.9 Unprocessed fuel to nonmanufacturing industries. 106 2221 1.948 -65.9 -15.3 -3.3 -21.0 -12.7 Services Services for intermediate demand. 106 33 100.000 3.9 1.0 0.2 -0.2 0.7 Trade services for intermediate demand. 106 33 18.127 0.8 0.8 0.8 0.8 0.9 1.6 Trade services for manufacturing industries. 106 331 8.929 2.3 2.0 -0.9 1.9 1.5 Transportation and warehousing services for intermediate demand. 106 332 14.516 -2.7 0.5 0.0 -0.9 -1.1 Transportation of passengers for intermediate demand. 106 321 1.069 1.8 2.3 -1.1 1.3 -2.9 Transportation of passengers for nonmanufacturing industries. 106 321 0.127 1.9 2.3 -1.1 1.3 -2.9 Transportation and warehousing of goods for manufacturing industries. 106 322 13.447 -3.0 0.4 0.1 -1.1 -1.0 Transportation and warehousing of goods for manufacturing industries. 106 322 13.447 -3.0 0.4 0.1 -1.1 -1.0 Transportation and warehousing of goods for manufacturing industries. 106 322 10.506 -2.2 0.7 0.2 -1.1 -0.8 Services less trade, transportation, and warehousing for intermediate demand. 106 322 10.506 -2.2 0.7 0.2 -1.1 -0.8 Services less trade, transportation, and warehousing for monmanufacturing industries. 106 311 2.08 4.6 1.2 0.3 0.2 0.5 Services less trade, transportation, and warehousing for monmanufacturing industries. 106 312 65.288 | | | 1 | | | | | | | -3.0 | |
| Unprocessed nonfood materials except fuel to manufacturing industries. Unprocessed fuel to nonmanufacturing industries. Unprocessed fuel to manufacturing industries. Unprocessed fuel to nonmanufacturing in | | | I | | | | | | | -6.0 | |
| industries. | nfood materials except fuel to manufacturing industries | | 1 | | | | | | | -6.9 -7.2 | |
| Unprocessed fuel to manufacturing industries. ID6 2221 17.446 67.9 -15.3 -33.3 -21.0 -12.7 Services for intermediate demand. ID6 3 100.000 3.9 1.0 0.2 -0.2 0.7 Trade services for intermediate demand. ID6 33 18.127 0.8 0.8 0.8 -0.8 0.9 1.6 Trade services for intermediate demand. ID6 33 18.127 0.8 0.8 0.8 -0.9 1.9 1.5 Trade services for manufacturing industries. ID6 331 8.929 2.3 2.0 -0.9 1.9 1.5 Trade services for manufacturing industries. ID6 332 9.198 0.6 0.3 0.8 -0.1 1.7 Transportation and warehousing services for intermediate demand. ID6 32 14.516 2.7 0.5 0.0 0.9 1.9 1.5 Transportation of passengers for intermediate demand. ID6 321 1.069 1.8 2.3 -1.1 1.3 -2.9 Transportation of passengers for manufacturing industries. ID6 321 1.069 1.8 2.3 -1.1 1.3 -2.9 Transportation and warehousing of goods for intermediate demand. ID6 322 13.447 3.0 0.4 0.1 -1.1 1.3 -2.8 Transportation and warehousing of goods for intermediate demand. ID6 322 13.447 3.0 0.4 0.1 -1.1 -1.0 Transportation and warehousing of goods for nonmanufacturing industries. ID6 322 13.447 3.0 0.4 0.1 -1.1 -1.0 Transportation and warehousing of goods for manufacturing industries ID6 322 10.506 -2.2 0.7 0.2 -1.1 -0.8 Services less trade, transportation, and warehousing for intermediate demand. ID6 31 67.357 6.6 1.1 0.5 -0.4 0.9 Services less trade, transportation, and warehousing for manufacturing industries. ID6 31 65.288 6.7 1.1 0.5 -0.4 0.9 Services less trade, transportation, and warehousing for manufacturing industries. ID6 312 65.288 6.7 1.1 0.5 -0.4 0.9 Services less trade, transportation, and warehousing for manufacturing industries. ID6 311 9.908 7.3 1.2 0.2 0.1 1.1 -0.8 Services less trade, transportation, and warehousing for manufacturing industries. ID6 311 9.908 7.3 1.2 0.2 0.1 1.0 0.9 Services less trade, transportation, and warehousing for manufacturing industries. ID6 311 9.908 7.3 1.2 0.2 0.1 0.9 0.9 Services less trade, transportation, and warehousing for ID6 9111 9.908 7.3 1.2 0.0 0.1 0.1 0.3 0.1 0.1 | | ID6 | 2212 | 1.904 | 11.0 | 3.5 | 0.9 | 0.0 | 0.1 | 0.0 | |
| Unprocessed fuel to nonmanufacturing industries. ID6 2222 17,446 -67,9 -15,3 -33,3 -21,0 -12,7 | | ID6 | 222 | 18.428 | -65.8 | -14.6 | -31.8 | -20.0 | -11.5 | -0.7 | |
| Services for intermediate demand | el to manufacturing industries | ID6 | 2221 | 0.982 | -24.2 | -3.6 | -9.8 | -7.9 | 0.9 | 1.2 | |
| Services for intermediate demand | | ID6 | 2222 | 17.446 | -67.9 | -15.3 | -33.3 | -21.0 | -12.7 | -0.9 | |
| Trade services for intermediate demand | | IDe | | 100.000 | 2.0 | 1.0 | 0.0 | 0.0 | 0.7 | 0.2 | |
| Trade services for manufacturing industries. ID6 331 8.929 2.3 2.0 -0.9 1.9 1.5 | | | 1 | | | | | | | 0.2 | |
| Trade services for nonmanufacturing industries. D6 332 9.198 -0.6 -0.3 -0.8 -0.1 1.7 Transportation and warehousing services for intermediate demand. D6 32 1.6516 -2.7 0.5 0.0 -0.9 -1.1 Transportation of passengers for intermediate demand. D6 321 1.069 1.8 2.3 -1.1 1.3 -2.9 Transportation of passengers for manufacturing industries. D6 3211 0.127 1.9 2.3 -1.1 1.3 -2.9 Transportation of passengers for nonmanufacturing industries. D6 3212 0.942 1.8 2.3 -1.1 1.3 -2.9 Transportation and warehousing of goods for intermediate demand. D6 322 13.447 -3.0 0.4 0.1 -1.1 -1.0 Transportation and warehousing of goods for manufacturing industries. D6 3221 2.941 -6.0 -1.0 -0.3 -1.1 -1.7 Transportation and warehousing of goods for nonmanufacturing industries. D6 3222 10.506 -2.2 0.7 0.2 -1.1 -0.8 Services less trade, transportation, and warehousing for intermediate demand. D6 311 2.068 4.6 1.2 0.3 0.2 0.5 Services less trade, transportation, and warehousing for nonmanufacturing industries. D6 312 65.288 6.7 1.1 0.5 -0.4 0.9 Construction D6 9111 90.968 -7.3 1.2 -0.2 -1.1 -0.4 Processed materials less foods and feeds. D6 9112 9.032 -4.7 0.2 -2.1 -0.2 -1.1 Processed energy goods. D6 9113 19.830 -21.4 4.9 -1.6 -3.9 -2.8 Processed materials less energy. D6 9115 71.138 -2.8 0.1 0.2 -0.3 0.1 D6 9116 31.574 -0.9 0.6 -0.4 0.1 0.5 D1 D1 D1 D1 D1 D1 D1 D1 | | | I | | | | | | | 0.0 | |
| Transportation and warehousing services for intermediate demand. | • | | I | | | | | | | 0.4 | |
| Transportation of passengers for manufacturing industries. | 9 | | I | | | | | | | -0.9 | |
| Transportation of passengers for nonmanufacturing industries. ID6 3212 0.942 1.8 2.3 -1.1 1.3 -2.8 | passengers for intermediate demand | ID6 | 321 | 1.069 | 1.8 | 2.3 | -1.1 | 1.3 | -2.9 | -1.1 | |
| Transportation and warehousing of goods for intermediate demand. ID6 322 13.447 -3.0 0.4 0.1 -1.1 -1.0 Transportation and warehousing of goods for manufacturing industries. ID6 3221 2.941 -6.0 -1.0 -0.3 -1.1 -1.7 Transportation and warehousing of goods for nonmanufacturing industries. ID6 3222 10.506 -2.2 0.7 0.2 -1.1 -0.8 Services less trade, transportation, and warehousing for intermediate demand. ID6 31 67.357 6.6 1.1 0.5 -0.4 0.9 Services less trade, transportation, and warehousing for manufacturing industries. ID6 311 2.068 4.6 1.2 0.3 0.2 0.5 Services less trade, transportation, and warehousing for nonmanufacturing industries. ID6 312 65.288 6.7 1.1 0.5 -0.4 0.9 Construction Construction for intermediate demand. ID6 4 100.000 4.4 0.8 0.2 0.4 0.7 Special Groupings of Intermediate Demand by Commodity Type Processed materials less foods and feeds. ID6 9111 90.968 -7.3 1.2 -0.2 -1.1 -0.4 Processed foods and feeds. ID6 9112 9.032 -4.7 0.2 -2.1 -0.2 -1.1 Processed energy goods. ID6 9113 19.830 -21.4 4.9 -1.6 -3.9 -2.8 Processed materials less foods and energy. ID6 9115 71.138 -2.8 0.1 0.2 -0.3 0.3 Intermediate distributive services ⁷ ID6 9116 31.574 -0.9 0.6 -0.4 0.1 0.5 | f passengers for manufacturing industries | ID6 | 3211 | 0.127 | 1.9 | 2.3 | -1.1 | 1.3 | -2.9 | -1.1 | |
| Transportation and warehousing of goods for manufacturing industries. ID6 3221 2.941 -6.0 -1.0 -0.3 -1.1 -1.7 | | | 1 | | | | | | | -1.1 | |
| Transportation and warehousing of goods for nonmanufacturing industries. ID6 3222 10.506 -2.2 0.7 0.2 -1.1 -0.8 Services less trade, transportation, and warehousing for intermediate demand. ID6 31 67.357 6.6 1.1 0.5 -0.4 0.9 Services less trade, transportation, and warehousing for manufacturing industries. ID6 311 2.068 4.6 1.2 0.3 0.2 0.5 Services less trade, transportation, and warehousing for manufacturing industries. ID6 312 65.288 6.7 1.1 0.5 -0.4 0.9 Construction Construction for intermediate demand. ID6 4 100.000 4.4 0.8 0.2 0.4 0.7 Special Groupings of Intermediate Demand by Commodity Type Processed materials less foods and feeds. ID6 9111 90.968 -7.3 1.2 -0.2 -1.1 -0.4 Processed foods and feeds. ID6 9112 9.032 -4.7 0.2 -2.1 -0.2 <td< td=""><td>9 9</td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>-0.9</td></td<> | 9 9 | | 1 | | | | | | | -0.9 | |
| Services less trade, transportation, and warehousing for intermediate demand | nd warehousing of goods for nonmanufacturing | | | | | | | | | -1.1 -0.8 | |
| Services less trade, transportation, and warehousing for manufacturing industries | transportation, and warehousing for intermediate | | | | | | | | | 0.4 | |
| Services less trade, transportation, and warehousing for nonmanufacturing industries. | e, transportation, and warehousing for manufacturing | | | | | | | | | 0.4 | |
| Construction for intermediate demand. ID6 4 100.000 4.4 0.8 0.2 0.4 0.7 Special Groupings of Intermediate Demand by Commodity Type Processed materials less foods and feeds. ID6 9111 90.968 -7.3 1.2 -0.2 -1.1 -0.4 Processed foods and feeds. ID6 9112 9.032 -4.7 0.2 -2.1 -0.2 -1.1 Processed energy goods. ID6 9113 19.830 -21.4 4.9 -1.6 -3.9 -2.8 Processed materials less energy. ID6 9118 80.170 -3.0 0.1 -0.1 -0.3 0.1 Processed materials less foods and energy. ID6 9115 71.138 -2.8 0.1 0.2 -0.3 0.3 Intermediate distributive services ⁷ . ID6 9116 31.574 -0.9 0.6 -0.4 0.1 0.5 | e, transportation, and warehousing for nonmanufacturing | ID6 | 312 | 65.288 | 6.7 | 1.1 | 0.5 | -0.4 | 0.9 | 0.4 | |
| Special Groupings of Intermediate Demand by Commodity Type ID6 9111 90.968 -7.3 1.2 -0.2 -1.1 -0.4 Processed materials less foods and feeds. ID6 9112 9.032 -4.7 0.2 -2.1 -0.2 -1.1 Processed energy goods. ID6 9113 19.830 -21.4 4.9 -1.6 -3.9 -2.8 Processed materials less energy. ID6 9118 80.170 -3.0 0.1 -0.1 -0.3 0.1 Processed materials less foods and energy. ID6 9115 71.138 -2.8 0.1 0.2 -0.3 0.3 Intermediate distributive services ⁷ . ID6 9116 31.574 -0.9 0.6 -0.4 0.1 0.5 | Construction | | | | | | | | | | |
| Processed materials less foods and feeds. ID6 9111 90.968 -7.3 1.2 -0.2 -1.1 -0.4 Processed foods and feeds. ID6 9112 9.032 -4.7 0.2 -2.1 -0.2 -1.1 Processed energy goods. ID6 9113 19.830 -21.4 4.9 -1.6 -3.9 -2.8 Processed materials less energy. ID6 9118 80.170 -3.0 0.1 -0.1 -0.3 0.1 Processed materials less foods and energy. ID6 9115 71.138 -2.8 0.1 0.2 -0.3 0.3 Intermediate distributive services ⁷ . ID6 9116 31.574 -0.9 0.6 -0.4 0.1 0.5 | ediate demand | ID6 | 4 | 100.000 | 4.4 | 0.8 | 0.2 | 0.4 | 0.7 | 1.7 | |
| Processed foods and feeds. ID6 9112 9.032 -4.7 0.2 -2.1 -0.2 -1.1 Processed energy goods. ID6 9113 19.830 -21.4 4.9 -1.6 -3.9 -2.8 Processed materials less energy. ID6 9118 80.170 -3.0 0.1 -0.1 -0.3 0.1 Processed materials less foods and energy. ID6 9115 71.138 -2.8 0.1 0.2 -0.3 0.3 Intermediate distributive services ⁷ . ID6 9116 31.574 -0.9 0.6 -0.4 0.1 0.5 | | | | | | | | | | | |
| Processed energy goods. ID6 9113 19.830 -21.4 4.9 -1.6 -3.9 -2.8 Processed materials less energy. ID6 9118 80.170 -3.0 0.1 -0.1 -0.3 0.1 Processed materials less foods and energy. ID6 9115 71.138 -2.8 0.1 0.2 -0.3 0.3 Intermediate distributive services ⁷ . ID6 9116 31.574 -0.9 0.6 -0.4 0.1 0.5 | | | I | | | | | | | -1.5 | |
| Processed materials less energy. ID6 9118 80.170 -3.0 0.1 -0.1 -0.3 0.1 Processed materials less foods and energy. ID6 9115 71.138 -2.8 0.1 0.2 -0.3 0.3 Intermediate distributive services ⁷ . ID6 9116 31.574 -0.9 0.6 -0.4 0.1 0.5 | | | 1 | | | | | | | -1.9 | |
| Processed materials less foods and energy. ID6 9115 71.138 -2.8 0.1 0.2 -0.3 0.3 Intermediate distributive services ⁷ . ID6 9116 31.574 -0.9 0.6 -0.4 0.1 0.5 | | | 1 | | | | | | | -6.9 | |
| Intermediate distributive services ⁷ | 3, | | I | | | | | | | -0.2 0.0 | |
| | _ 0, | | 1 | | | | | | | -0.2 | |
| Processed goods plus intermediate distributive services | intermediate distributive services | | 9117 | - | -5.4 | 1.0 | -0.4 | -0.7 | -0.2 | -1.1 | |
| Unprocessed materials less agricultural products | | | 1 | 58.389 | | | | | | -6.1 | |
| Unprocessed energy materials ⁸ | | | 1 | | | | | -11.1 | | -7.8 | |
| Unprocessed materials less energy | • • | ID6 | I | 56.377 | -13.6 | -3.0 | -0.5 | -0.6 | -0.4 | -3.1 | |
| Unprocessed nonfood materials less energy ⁹ | materials less energy ⁹ | ID6 | 9216 | 20.319 | -13.6 | 2.1 | 0.3 | -0.6 | 1.5 | -3.3 | |
| Intermediate Demand by Production Flow | mediate Demand by Production Flow | | | | | | | | | | |
| Stage 4 Intermediate Demand | • | ID. |], | 100 000 | | | 6.0 | | | 6.5 | |
| Stage 4 intermediate demand | | | I | | | | | | | -0.2 | |
| Inputs to stage 4 goods producers | · | | I | | | | | | | -0.2 -0.2 | |

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

[May 2023]

| Grouping | | modity ode | Relative Impor- tance | Unadjusted 12-month percent change ² | Seasonally adjusted 1-month percent change ² | | | | |
|---|---------------|----------------|-----------------------------|--|---|------------------------------|------------------------------|------------------------------|-----------------------------|
| Clouping | Group code | Item code | Dec. 2022 ¹ | May 2022 to May 2023 ^p | Dec. to Jan. | Jan. to Feb. ^p | Feb. to Mar. ^p | Mar. to Apr. ^p | Apr. to May ^p |
| Foods | ID5 | 4111 | 3.300 | -7.2 | -0.1 | -1.2 | -2.1 | -0.3 | -2.1 |
| Energy | ID5 | 4112 | 0.220 | -22.8 | -6.1 | -0.7 | 6.3 | -14.2 | -10.5 |
| Goods excluding foods and energy | ID5 | 4113 | 18.903 | 0.2 | 0.2 | 0.3 | -0.1 | 0.2 | 0.2 |
| Services | ID5 | 412 | 7.814 | 3.0 | 1.5 | -0.7 | 2.1 | 0.5 | -0.2 |
| Trade services. | ID5 | 4123 | 5.817 | 3.4 | 1.7 | -1.0 | 2.9 | 0.7 | -0.2 |
| Transportation and warehousing services | ID5 ID5 | 4122 41221 | 0.515 0.077 | -4.4 1.9 | 0.1 2.3 | -0.8 -1.1 | -0.6 1.3 | -1.5 -2.9 | -1.2 -1.1 |
| Transportation and warehousing of goods | ID5 | 41222 | 0.438 | -5.5 | -0.3 | -0.7 | -1.0 | -1.2 | -1.2 |
| Services less trade, transportation, and warehousing | ID5 | 4121 | 1.482 | 4.2 | 1.0 | 0.3 | 0.1 | 0.5 | 0.1 |
| Inputs to stage 4 services producers | ID5 | 42 | 54.970 | 3.9 | 1.4 | 0.0 | -0.6 | 0.5 | -0.1 |
| Goods | ID5 | 421 | 13.984 | -0.5 | 1.8 | -0.5 | -0.8 | -0.7 | -0.7 |
| Foods | ID5 | 4211 | 2.360 | -5.2 | 0.1 | -1.6 | 0.1 | -1.4 | -1.0 |
| Energy | ID5 | 4212 | 4.133 | -3.5 | 4.3 | -0.7 | -2.7 | -1.4 | -1.7 |
| Goods excluding foods and energy | ID5 | 4213 | 7.491 | 2.5 | 0.7 | 0.0 | 0.1 | -0.1 | -0.1 |
| Services | 1 | 422 | 40.934 | 5.5 | 1.2 | 0.2 | -0.5 | 1.0 | 0.2 |
| Trace services. | ID5 | 4223 | 4.078 | 3.8 | 0.6 | -1.0 | 0.6 | 1.6 | 0.0 |
| Transportation and warehousing services. | ID5 ID5 | 4222 42221 | 3.742 0.490 | 2.4 1.9 | 1.7 2.3 | 0.4 | -0.5 1.3 | -0.8 -2.9 | -1.4 -1.1 |
| Transportation of passengers | ID5 | 42221 | 3.252 | 1.9 2.5 | 2.3 1.6 | -1.1 0.7 | 1.3 -0.7 | -2.9 -0.4 | -1.1 -1.4 |
| Services less trade, transportation, and warehousing | ID5 | 4221 | 33.114 | 6.2 | 1.3 | 0.7 | -0.7 | 1.1 | 0.4 |
| Construction. | ID5 | 423 | 0.052 | 4.4 | 0.8 | 0.4 | 0.4 | 0.7 | 1.7 |
| Inputs to stage 4 construction producers | ID5 | 43 | 14.792 | -3.1 | 0.7 | 0.0 | -0.2 | 0.4 | -0.9 |
| Goods | ID5 | 431 | 10.801 | -2.9 | 0.8 | 0.1 | -0.4 | 0.4 | -1.1 |
| Energy | ID5 | 4312 | 0.855 | -29.3 | 5.9 | 0.4 | -7.7 | 3.5 | -11.8 |
| Goods excluding foods and energy | ID5 | 4313 | 9.946 | 0.4 | 0.3 | 0.1 | 0.4 | 0.1 | -0.1 |
| Services | ID5 | 432 | 3.991 | -3.6 | 0.3 | -0.4 | 0.3 | 0.5 | -0.4 |
| Trade services | ID5 | 4323 | 1.692 | -5.9 | 1.2 | -0.7 | 1.3 | 1.4 | -0.5 |
| Transportation and warehousing services. | | 4322 | 0.725 | -10.8 | -1.5 | -0.9 | -1.4 | -2.4 | -1.8 |
| Transportation of passengers | 1 | 43221 43222 | 0.015 0.710 | 1.9 -11.1 | 2.3 -1.6 | -1.1 -0.9 | 1.3 -1.4 | -2.9 -2.4 | -1.1 -1.8 |
| Services less trade, transportation, and warehousing | ID5 | 4321 | 1.574 | 4.2 | 0.3 | 0.3 | 0.1 | 0.7 | 0.2 |
| | | | | | | | | | |
| Stage 3 Intermediate Demand Stage 3 intermediate demand | ID5 | 3 | 100.000 | -6.5 | 0.2 | -0.3 | -0.7 | -0.1 | -1.0 |
| Inputs to stage 3 goods producers. | ID5 | 31 | 45.352 | -9.9 | -1.4 | -0.3 | -0.7 | -0.1 | -0.9 |
| Goods. | ID5 | 311 | 35.807 | -11.7 | -2.1 | -0.2 | -0.4 | -0.6 | -1.1 |
| Foods. | ID5 | 3111 | 11.906 | -15.9 | -5.4 | -1.7 | -0.2 | -2.2 | -3.2 |
| Energy | ID5 | 3112 | 1.292 | -30.4 | -0.5 | -2.3 | 2.5 | -6.0 | -5.7 |
| Goods excluding foods and energy | ID5 | 3113 | 22.609 | -8.1 | -0.4 | 0.7 | -0.6 | 0.6 | 0.2 |
| Services | ID5 | 312 | 9.545 | -2.1 | 1.2 | -0.4 | 0.6 | 0.5 | -0.3 |
| Trade services | ID5 | 3123 | 5.175 | -0.2 | 2.7 | -0.5 | 1.8 | 1.9 | 0.1 |
| Transportation and warehousing services | 1 | 3122 | 3.002 | -8.1 | -1.2 | -0.7 | -1.2 | -2.1 | -1.5 |
| Transportation of passengers | 1 | 31221 | 0.144 | 1.9 | 2.3 | -1.1 | 1.3 | -2.9 | -1.1 |
| Transportation and warehousing of goods | ID5 | 31222 3121 | 2.858 1.368 | -8.6 5.2 | -1.4 1.1 | -0.7 0.4 | -1.3 0.2 | -2.1 0.7 | -1.5 0.3 |
| Inputs to stage 3 services producers. | 1 | 32 | 53.518 | -3.0 | 1.6 | -0.3 | -1.2 | 0.7 | -1.1 |
| Goods. | | 321 | 10.628 | -23.1 | 5.0 | -2.2 | -3.5 | -3.1 | -6.8 |
| Foods | ID5 | 3211 | 0.090 | 2.8 | 2.4 | -1.7 | -1.0 | -2.7 | 0.4 |
| Energy | ID5 | 3212 | 6.619 | -33.9 | 7.8 | -3.4 | -5.3 | -4.9 | -10.9 |
| Goods excluding foods and energy. | ID5 | 3213 | 3.919 | 0.5 | 0.4 | 0.1 | -0.3 | -0.1 | -0.5 |
| Services | ID5 | 322 | 42.317 | 3.8 | 0.8 | 0.2 | -0.6 | 8.0 | 0.2 |
| Trade services | ID5 | 3223 | 2.614 | 3.3 | -0.8 | 0.2 | -1.2 | 2.8 | 0.2 |
| Transportation and warehousing services | ID5 | 3222 | 10.018 | -1.8 | 1.2 | 0.3 | -1.1 | -0.5 | -0.5 |
| | 1 | 32221 32222 | 0.021 | 1.4 | 0.0 1.2 | 0.0 | 0.2 | -0.3 -0.5 | 0.0 -0.5 |
| Transportation and warehousing of goods | 1 | 32222 | 9.997 29.685 | -1.8 5.8 | 0.8 | 0.3 0.2 | -1.1 -0.4 | -0.5 1.1 | -0.5 0.5 |
| Construction. | 1 | 323 | 0.573 | 4.4 | 0.8 | 0.2 | 0.4 | 0.7 | 1.7 |
| Inputs to stage 3 construction producers. | 1 | 33 | 1.131 | -10.0 | -0.3 | -1.2 | -0.1 | -0.4 | -0.3 |
| Goods | | 331 | 0.566 | -5.5 | -0.4 | -0.2 | -0.4 | -0.2 | -0.3 |
| Goods excluding foods and energy | 1 | 3313 | 0.566 | -5.5 | -0.4 | -0.2 | -0.4 | -0.2 | -0.3 |
| Services | ID5 | 332 | 0.565 | -12.8 | 0.0 | -2.2 | 0.2 | -0.5 | -0.3 |
| Trade services | ID5 | 3323 | 0.521 | -13.7 | -0.1 | -2.4 | 0.3 | -0.6 | -0.4 |
| Transportation and warehousing services | ID5 | 3322 | 0.015 | 0.8 | 0.4 | -0.3 | -1.0 | -0.2 | -0.1 |
| Transportation and warehousing of goods | ID5 | 33222 | 0.015 | 0.8 | 0.4 | -0.3 | -1.0 | -0.2 | -0.1 |
| Services less trade, transportation, and warehousing | ID5 | 3321 | 0.029 | 6.2 | 2.0 | 0.0 | 0.0 | 0.6 | 0.3 |
| Stage 2 Intermediate Demand | 1 | | I | I | 1 | | | | |

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

[May 2023]

| Grouping | Commodity code | | Relative Impor- tance | Unadjusted 12-month percent change ² | Seasonally adjusted 1-month percent change ² | | | | | |
|--|----------------|--------------|-----------------------------|--|---|------------------------------|------------------------------|------------------------------|-----------------------------|--|
| Стобріїд | Group code | Item code | Dec. 2022 ¹ | May 2022 to May 2023 ^p | Dec. to Jan. | Jan. to Feb. ^p | Feb. to Mar. ^p | Mar. to Apr. ^p | Apr. to May ^p | |
| Stage 2 intermediate demand | ID5 | 2 | 100.000 | -9.8 | -0.9 | -1.4 | -2.5 | 1.3 | -1.4 | |
| Inputs to stage 2 goods producers | ID5 | 21 | 54.274 | -21.1 | -2.4 | -3.7 | -4.1 | 1.9 | -3.0 | |
| Goods | ID5 | 211 | 40.812 | -27.8 | -3.4 | -5.1 | -5.5 | 2.2 | -4.4 | |
| Foods | ID5 | 2111 | 4.355 | -8.2 | -2.4 | -0.8 | -2.9 | -0.4 | -2.1 | |
| Energy | 1 | 2112 | 21.042 | -44.1 | -6.6 | -10.3 | -11.0 | 4.7 | -8.3 | |
| Goods excluding foods and energy | ID5 | 2113 | 15.415 | -7.3 | 0.5 | 0.3 | -0.1 | 0.3 | -0.9 | |
| Services | | 212 2123 | 13.197 5.150 | 6.2 5.8 | 0.8 0.3 | 0.3 -1.0 | -0.2 0.2 | 1.2 3.1 | 0.7 1.3 | |
| Transportation and warehousing services. | 1 - | 2123 | 4.488 | 2.1 | 0.3 | 0.6 | -0.4 | -0.8 | 0.0 | |
| Transportation of passengers | | 21221 | 0.168 | 1.8 | 2.2 | -1.1 | 1.3 | -2.8 | -1.1 | |
| Transportation and warehousing of goods | | 21222 | 4.320 | 2.2 | 0.4 | 0.6 | -0.5 | -0.7 | 0.0 | |
| Services less trade, transportation, and warehousing | ID5 | 2121 | 3.559 | 12.6 | 1.8 | 2.0 | -0.6 | 1.0 | 0.6 | |
| Construction. | ID5 | 213 | 0.265 | 4.4 | 0.8 | 0.2 | 0.4 | 0.7 | 1.7 | |
| Inputs to stage 2 services producers. | ID5 | 22 | 45.725 | 6.3 | 1.0 | 1.3 | -0.7 | 0.6 | 0.4 | |
| Goods | ID5 | 221 | 5.072 | -2.3 | 0.8 | -0.3 | -0.6 | -0.3 | -1.1 | |
| Foods. | ID5 | 2211 | 0.055 | -11.5 | -1.5 | -2.3 | -2.8 | -1.0 | -2.0 | |
| Energy | ID5 | 2212 | 0.357 | -29.0 | 7.6 | -1.6 | -6.8 | -2.5 | -12.2 | |
| Goods excluding foods and energy | | 2213 | 4.660 | 0.2 | 0.3 | -0.1 | -0.1 | -0.1 | -0.2 | |
| Services | ID5 | 222 | 39.767 | 7.8 | 1.0 | 1.5 | -0.8 | 0.7 | 0.5 | |
| Trade services | | 2223 | 2.238 | 6.0 | -4.0 | -0.7 | -3.6 | 1.0 | 2.9 | |
| Transportation and warehousing services | ID5 | 2222 | 2.862 | -13.8 | -0.8 | -0.8 | -2.2 | -1.8 | -0.9 | |
| Transportation of passengers | ID5 | 22221 | 0.390 | 1.9 | 2.3 | -1.1 | 1.3 | -2.9 | -1.1 | |
| Transportation and warehousing of goods | ID5 | 22222 | 2.472 | -16.0 | -1.3 | -0.8 | -2.8 | -1.6 | -0.8 | |
| Services less trade, transportation, and warehousing | ID5 | 2221 | 34.667 | 9.9 | 1.5 | 1.8 | -0.5 | 0.9 | 0.5 | |
| Construction | ID5 | 223 | 0.886 | 4.4 | 0.8 | 0.2 | 0.4 | 0.7 | 1.7 | |
| Stage 1 Intermediate Demand | | | | | | | | | | |
| Stage 1 intermediate demand | ID5 | 1 | 100.000 | -3.6 | 0.7 | -0.4 | -0.4 | 0.0 | -0.9 | |
| Inputs to stage 1 goods producers | ID5 | 11 | 33.533 | -8.5 | 0.5 | -0.2 | -0.7 | -0.3 | -1.2 | |
| Goods | ID5 | 111 | 24.780 | -11.5 | 0.0 | -0.1 | -1.2 | -0.8 | -1.6 | |
| Foods. | ID5 | 1111 | 3.351 | -13.5 | -0.4 | -0.9 | -4.4 | -0.8 | -3.1 | |
| Energy | ID5 | 1112 | 3.963 | -20.6 | 1.4 | -1.6 | -0.7 | -7.1 | -7.6 | |
| Goods excluding foods and energy | ID5 | 1113 | 17.466 | -9.1 | -0.2 | 0.3 | -0.7 | 0.6 | -0.1 | |
| Services | ID5 | 112 | 8.752 | 0.2 | 2.0 | -0.4 | 0.7 | 1.3 | -0.2 | |
| Trade services | ID5 | 1123 | 5.298 | -0.8 | 2.9 | -1.0 | 1.3 | 1.9 | -0.2 | |
| Transportation and warehousing services | ID5 | 1122 | 0.599 | 2.0 | -0.1 | 0.7 | -1.4 | -0.8 | 0.8 | |
| Transportation of passengers | ID5 | 11221 | 0.103 | 1.9 | 2.3 | -1.1 | 1.3 | -2.9 | -1.1 | |
| Transportation and warehousing of goods | ID5 | 11222 | 0.496 | 2.0 | -0.6 | 1.1 | -2.0 | -0.4 | 1.3 | |
| Services less trade, transportation, and warehousing | ID5 | 1121 | 2.855 | 2.2 | 0.7 | 0.4 | 0.0 | 0.4 | -0.3 | |
| Construction. | ID5 | 113 | 0.001 | 4.4 | 0.8 | 0.2 | 0.4 | 0.7 | 1.7 | |
| Inputs to stage 1 services producers | ID5 | 12 | 53.646 | 0.6 | 0.9 | -0.4 | -0.3 | 0.2 | -0.7 | |
| Goods | ID5 | 121 | 16.434 | -6.3 | 2.0 | -0.8 | -1.2 | -0.6 | -2.5 | |
| Foods | ID5 | 1211 | 0.115 | -31.7 | -2.4 | -16.3 | 6.2 | 3.0 | -26.6 | |
| Energy | ID5 | 1212 | 5.528 | -22.1 | 4.7 | -2.1 | -3.6 | -2.4 | -6.9 | |
| Goods excluding foods and energy | 1 | 1213 | 10.791 | 4.1 | 0.7 | 0.1 | 0.0 | 0.3 | 0.0 | |
| Services | ID5 | 122 | 37.209 | 4.2 | 0.5 | -0.2 | 0.0 | 0.6 | 0.2 | |
| Trade services. | ID5 | 1223 | 3.617 | 2.7 | -0.2 | 0.1 | 0.2 | 1.3 | 0.1 | |
| Transportation and warehousing services | 1 | 1222 | 4.373 | 0.4 | 1.4 | -0.4 | -0.2 | -1.5 | -0.8 | |
| Transportation of passengers | 1 | 12221 | 1.342 | 1.9 | 2.3 | -1.1 | 1.3 | -2.9 | -1.1 | |
| Transportation and warehousing of goods | 1 | 12222 | 3.031 | -0.3 | 1.0 | -0.1 | -0.8 | -0.8 | -0.6 | |
| Services less trade, transportation, and warehousing | 1 | 1221 | 29.219 | 5.0 | 0.4 | -0.2 | 0.0 | 0.8 | 0.3 | |
| Construction. | 1 | 123 | 0.003 | 4.4 | 0.8 | 0.2 | 0.4 | 0.7 | 1.7 | |
| Inputs to stage 1 construction producers | 1 | 13 | 12.821 | -6.3 | 0.4 | -0.8 | 0.0 | -0.5 | -1.2 | |
| Goods | 1 | 131 1312 | 9.208 | -2.9 | 0.7 | -0.4 | -0.1 | -0.4 | -1.3 | |
| Energy. | ID5 | | 0.934 | -35.7 | 5.4 | -3.8 | -3.8 | -5.2 | -13.0 | |
| Goods excluding foods and energy | ID5 ID5 | 1313 132 | 8.274 3.613 | 2.2 -12.5 | 0.2 -0.4 | 0.0 -1.7 | 0.3 0.3 | 0.1 -0.6 | 0.0 -0.9 | |
| Trade services. | ID5 | 1323 | 2.667 | -12.5 | 0.4 | -1.7 -2.1 | 0.3 | 0.0 | -0.9 | |
| Transportation and warehousing services. | ID5 | 1323 | 0.854 | -11.7 | -2.2 | -2.1 -0.8 | -1.7 | -2.8 | -0.7 | |
| Transportation and warehousing services | ID5 | 13222 | 0.854 | -12.9 | -2.2 -2.2 | -0.8 | -1.7 -1.7 | -2.8 | -1.9 | |
| Services less trade, transportation, and warehousing | 1 | 1321 | 0.092 | 8.5 | 0.6 | -0.8 | 0.5 | 1.1 | 0.3 | |
| | 1.53 | 1021 | 0.032 | 0.5 | 0.0 | 0.2 | 0.0 | 1.1 | 0.0 | |
| Special Groupings of Intermediate Demand by Production Flow | | | | | | | | | | |
| Total goods inputs to stage 4 intermediate demand | ID5 | 9411 | 47.208 | -1.4 | 0.8 | -0.1 | -0.5 | -0.2 | -0.6 | |
| Total goods inputs to stage 4 intermediate demand | | | 1 | 1 | | 0.0 | 0.0 | 0.0 | 0.1 | |
| | ID5 | 9412 | 52.739 | 4.2 | 1.2 | 0.0 | 0.0 | 0.8 | 0.1 | |
| Total goods inputs to stage 4 intermediate demand. Total services inputs to stage 4 intermediate demand. Total construction inputs to stage 4 intermediate demand. | | 9412 9413 | 52.739 0.052 | 4.2 4.4 | 1.2 0.8 | 0.0 | 0.0 | 0.8 | 1.7 | |

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

[May 2023]

| Grouping | Grouping Group Item code code | | Relative Impor- tance | Unadjusted 12-month percent change ² | Seasonally adjusted 1-month percent change ² | | | | | |
|--|--------------------------------|------|-----------------------------|--|---|------------------------------|------------------------------|------------------------------|-----------------------------|--|
| | | | Dec. 2022 ¹ | May 2022 to May 2023 ^p | Dec. to Jan. | Jan. to Feb. ^p | Feb. to Mar. ^p | Mar. to Apr. ^p | Apr. to May ^p | |
| Total energy goods inputs to stage 4 intermediate demand | ID5 | 9415 | 5.208 | -10.1 | 4.1 | -0.5 | -3.3 | -1.1 | -3.8 | |
| Total goods less foods and energy inputs to stage 4 intermediate demand | ID5 | 9416 | 36.340 | 0.7 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | |
| Total goods inputs to stage 3 intermediate demand | ID5 | 9311 | 47.001 | -14.4 | -0.5 | -0.6 | -1.1 | -1.2 | -2.4 | |
| Total services inputs to stage 3 intermediate demand | ID5 | 9312 | 52.427 | 2.2 | 0.9 | 0.1 | -0.4 | 8.0 | 0.1 | |
| Total construction inputs to stage 3 intermediate demand | ID5 | 9313 | 0.573 | 4.4 | 0.8 | 0.2 | 0.4 | 0.7 | 1.7 | |
| Total foods inputs to stage 3 intermediate demand | ID5 | 9314 | 11.996 | -15.8 | -5.4 | -1.7 | -0.2 | -2.2 | -3.2 | |
| Total energy goods inputs to stage 3 intermediate demand | ID5 | 9315 | 7.911 | -33.3 | 6.4 | -3.2 | -4.1 | -5.1 | -10.0 | |
| Total goods less foods and energy inputs to stage 3 intermediate demand | ID5 | 9316 | 27.094 | -7.0 | -0.3 | 0.6 | -0.6 | 0.4 | 0.1 | |
| Total goods inputs to stage 2 intermediate demand | ID5 | 9211 | 45.884 | -25.4 | -2.9 | -4.5 | -4.9 | 1.9 | -4.0 | |
| Total services inputs to stage 2 intermediate demand | ID5 | 9212 | 52.964 | 7.4 | 0.9 | 1.2 | -0.6 | 0.8 | 0.6 | |
| Total construction inputs to stage 2 intermediate demand | ID5 | 9213 | 1.151 | 4.4 | 0.8 | 0.2 | 0.4 | 0.7 | 1.7 | |
| Total foods inputs to stage 2 intermediate demand | ID5 | 9214 | 4.410 | -8.3 | -2.4 | -0.8 | -2.9 | -0.4 | -2.1 | |
| Total energy goods inputs to stage 2 intermediate demand | ID5 | 9215 | 21.399 | -43.9 | -6.4 | -10.2 | -10.9 | 4.5 | -8.4 | |
| Total goods less foods and energy inputs to stage 2 intermediate demand | ID5 | 9216 | 20.075 | -5.7 | 0.4 | 0.2 | -0.1 | 0.2 | -0.8 | |
| Total goods inputs to stage 1 intermediate demand | ID5 | 9111 | 50.422 | -8.4 | 0.8 | -0.4 | -1.0 | -0.7 | -1.8 | |
| Total services inputs to stage 1 intermediate demand | ID5 | 9112 | 49.574 | 1.7 | 0.7 | -0.3 | 0.2 | 0.6 | 0.0 | |
| Total construction inputs to stage 1 intermediate demand | ID5 | 9117 | 0.004 | 4.4 | 0.8 | 0.2 | 0.4 | 0.7 | 1.7 | |
| Total foods inputs to stage 1 intermediate demand | ID5 | 9114 | 3.466 | -14.1 | -0.4 | -1.4 | -4.1 | -0.7 | -3.8 | |
| Total energy goods inputs to stage 1 intermediate demand | ID5 | 9115 | 10.425 | -23.1 | 3.4 | -2.1 | -2.5 | -4.4 | -7.7 | |
| Total goods less foods and energy inputs to stage 1 intermediate demand. $\ldots \ldots$ | | 9116 | 36.531 | -2.9 | 0.2 | 0.2 | -0.3 | 0.4 | -0.1 | |

¹ 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.

² 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.

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

⁴ Trade indexes measure changes in margins received by wholesalers and retailers.

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.

 $^{^{\}rm 6}$ Distributive services include transportation, warehousing, and trade of goods.

⁷ Includes intermediate trade, transportation, and warehousing services.

⁸ Includes crude petroleum.

⁹ Excludes crude petroleum.

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[&]quot;-" Data not available.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted
[May 2023]

| Grouping | | nmodity ode | Unadjusted 12-month percent change ¹ | Seasonally adjusted 1-month percent change ¹ | | | | | |
|--|---------------|----------------|--|---|------------------------------|------------------------------|------------------------------|-----------------------------|--|
| 3.55pg | Group code | Item code | May 2022 to May 2023 ^p | Dec. to Jan. | Jan. to Feb. ^p | Feb. to Mar. ^p | Mar. to Apr. ^p | Apr. to May ^p | |
| Final Demand | | | | | | | | | |
| Final demand. | FD | 4 | 1.1 | 0.4 | -0.1 | -0.4 | 0.2 | -0.3 | |
| Final demand goods | FD | 41 | -2.4 | 1.3 | -0.4 | -1.1 | 0.2 | -1.6 | |
| Final demand foods | FD | 411 | 0.3 | -1.3 | -2.3 | 0.3 | -0.4 | -1.3 | |
| Fresh fruits and melons ² | | 11 | 0.9 | 5.8 | -6.7 | -3.2 | 2.4 | -2.5 | |
| Fresh and dry vegetables ² | | 13 | 22.7 | -33.5 | -13.7 | -7.5 | 35.1 | -15.8 | |
| Grains | 01 | 2 | -20.0 | -1.6 | 0.8 | -7.4 | 2.7 | -5.4 | |
| Eggs for fresh use ² Oilseeds | 01 | 7107 8301 | -64.6 -12.3 | -12.7 -4.9 | -41.3 0.6 | 33.2 -4.2 | -35.8 | -53.4 -1.2 | |
| Bakery products ² | 02 | 11 | 8.4 | 0.4 | 0.6 | 0.5 | 0.5 0.1 | 0.3 | |
| Milled rice ² | 02 | 13 | 17.0 | 3.3 | 0.7 | 0.4 | -0.3 | -0.8 | |
| Pasta products ² | | 1402 | 8.5 | 8.9 | 1.3 | 0.0 | -8.4 | 0.0 | |
| Beef and veal. | 02 | 2101 | 11.3 | 7.5 | -1.3 | 1.4 | -3.1 | 0.7 | |
| Pork | 02 | 2104 | -9.9 | -2.2 | -2.3 | 3.2 | -6.5 | -4.1 | |
| Processed young chickens | 02 | 2203 | -20.5 | -3.7 | -2.2 | 2.2 | -1.3 | -0.6 | |
| Processed turkeys ² | 1 | 2206 | -21.6 | 0.0 | -2.2 | -10.7 | -6.8 | -8.9 | |
| Finfish and shellfish | | 23 | -2.3 | 0.2 | -0.6 | 0.9 | -1.8 | 1.6 | |
| Dairy products | | 3 | -8.6 | -1.6 | -2.0 | -1.8 | -0.3 | -1.0 | |
| Processed fruits and vegetables ² | 02 02 | 4 55 | 14.5 5.4 | 1.2 -0.6 | 1.0 1.6 | 0.8 0.3 | 0.2 0.3 | 1.3 0.4 | |
| Soft drinks ² | 02 | 62 | 16.3 | 6.4 | -0.8 | 0.0 | -1.0 | 3.2 | |
| Roasted coffee ² | 02 | 6301 | 8.3 | -0.3 | -0.0 | -0.4 | 0.4 | 0.2 | |
| Shortening and cooking oils ² | 02 | 78 | -19.3 | -2.1 | -2.4 | -2.2 | -0.8 | -2.8 | |
| Frozen specialty food ² | 02 | 85 | 8.7 | 0.7 | 0.0 | 1.0 | 0.2 | 1.0 | |
| Final demand energy | FD | 412 | -18.1 | 5.4 | -0.8 | -6.0 | 0.8 | -6.8 | |
| Liquefied petroleum gas ² | 05 | 32 | -60.0 | 2.0 | 1.4 | -11.4 | -5.1 | -16.1 | |
| Residential electric power | 1 | 41 | 8.2 | 1.5 | 0.7 | -1.0 | -0.2 | 0.8 | |
| Residential natural gas | 1 | 51 | -7.2 | 11.2 | -8.6 | -7.3 | -5.0 | -1.6 | |
| Gasoline | 1 | 71 | -28.5 | 7.5 | 2.8 | -11.6 | 8.6 | -13.8 | |
| Home heating oil and distillates. | | 7302 7303 | -43.4 -38.3 | 1.3 11.0 | -17.7 -4.6 | -4.1 | -5.6 -3.7 | -13.4 -13.7 | |
| No. 2 diesel fuelFinal demand goods less foods and energy | | 413 | 2.6 | 0.6 | 0.3 | -6.3 0.2 | -3.7 0.1 | 0.1 | |
| Alcoholic beverages. | | 61 | 4.2 | 0.0 | 0.1 | -0.1 | 0.1 | 0.7 | |
| Pet food ² | 02 | 9402 | 14.3 | 0.2 | 0.1 | 5.8 | 0.0 | 0.0 | |
| Women's, girls', and infants' apparel ² | 03 | 8106 | -1.5 | 0.0 | -1.6 | 0.0 | 0.0 | 0.1 | |
| Men's and boys' apparel ² | 03 | 8107 | 8.1 | 0.1 | 0.2 | 0.2 | 0.0 | 4.3 | |
| Textile housefurnishings ² | 03 | 82 | 2.8 | 0.1 | 0.0 | 0.2 | -0.1 | 0.0 | |
| Footwear | 04 | 3 | 8.5 | 0.3 | 8.0 | -0.6 | 0.5 | 0.0 | |
| Industrial chemicals | 06 | 1 | -13.6 | 1.0 | 0.4 | -3.3 | -0.2 | -1.9 | |
| Pharmaceutical preparations. | | 38 | 2.7 | 0.8 | 0.4 | 0.0 | 0.2 | 0.0 | |
| Soaps and detergents ² | | 71 72 | 13.0 4.7 | 1.1 0.2 | 0.2 1.3 | 0.1 0.2 | 0.0 0.3 | 0.1 0.0 | |
| Cosmetics and other toiletries ² | | 75 | 6.1 | 1.1 | 1.8 | 0.6 | 0.3 | 0.0 | |
| Tires ² | | 1201 | 9.0 | 3.0 | 0.0 | 0.0 | 0.2 | -0.3 | |
| Consumer, institutional, and commercial products, n.e.c. ² | | 2B | 3.0 | 0.4 | 0.2 | -0.3 | 0.2 | 0.1 | |
| Sanitary paper products ² | | 1501 | 10.2 | 0.9 | 0.4 | 0.0 | 0.0 | 0.4 | |
| Iron and steel scrap | 10 | 12 | -20.4 | 1.3 | 11.1 | 5.2 | 4.1 | -8.0 | |
| Agricultural machinery and equipment | | 1 | 6.0 | 0.3 | -0.2 | 0.3 | 0.2 | 0.3 | |
| Construction machinery and equipment ² | | 2 | 9.1 | 3.4 | 0.3 | 0.3 | 0.3 | 0.1 | |
| Metal cutting machine tools ² | | 37 | 4.1 | 0.3 | 1.1 | 0.1 | 0.0 | 0.5 | |
| Metal forming machine tools. | | 38 | 5.6 | -0.2 | -0.1 | 0.1 | 0.1 | 1.7 | |
| Tools, dies, jigs, fixtures, and industrial molds ² | 1 | 39 41 | 4.2 10.7 | 0.8 1.4 | 0.1 -0.1 | 0.1 0.4 | 0.2 | 0.2 | |
| Pumps, compressors, and equipment Industrial material handling equipment ² | | 44 | 6.6 | 1.4 | 0.6 | 0.4 | 0.0 0.0 | 1.6 0.4 | |
| Electronic computers and computer equipment ² | | 5 | -0.1 | 1.4 | 0.0 | -0.1 | -0.8 | -1.3 | |
| Textile machinery and equipment ² | | 62 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Paper industries machinery ² | | 64 | 7.6 | 0.8 | 0.0 | 0.3 | 0.2 | 0.0 | |
| Printing trades machinery and equipment ² | | 65 | 2.9 | 0.5 | -0.1 | 0.2 | 0.9 | 0.0 | |
| Transformers and power regulators ² | | 74 | 5.8 | -0.1 | 0.2 | 0.6 | 0.5 | 0.3 | |
| Communication and related equipment | | 76 | 2.4 | 0.1 | -0.1 | 0.3 | 0.1 | 0.0 | |
| Electronic components and accessories. | | 78 | 0.1 | -0.6 | 0.1 | 0.0 | -0.5 | -1.2 | |
| X-ray and electromedical equipment ² | | 7905 | 3.4 | 1.2 | 0.0 | 0.0 | 0.0 | 0.3 | |
| Oil field and gas field machinery ² | | 91 | 7.2 | 0.8 | 0.0 | 0.3 | 0.1 | 0.0 | |
| Mining machinery and equipment ² | | 92 93 | 9.8 | 0.4 | 0.0 | 0.0 | 4.1 | 0.0 | |
| Office and store machines and equipment ² | ['' | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

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

[May 2023]

| Grouping | | nmodity ode | Unadjusted 12-month percent change ¹ | Seasonally adjusted 1-month percent change ¹ | | | | | |
|--|------------|----------------|--|---|------------------------------|------------------------------|------------------------------|-----------------------------|--|
| G. G. G. P. M. G. | Group code | Item code | May 2022 to May 2023 ^p | Dec. to Jan. | Jan. to Feb. ^p | Feb. to Mar. ^p | Mar. to Apr. ^p | Apr. to May ^p | |
| Household furniture ² | 12 | 1 | 4.2 | 0.8 | 0.5 | 0.1 | -0.3 | 0.0 | |
| Commercial furniture ² | 12 | 2 | 6.7 | -0.7 | 0.6 | 0.4 | -0.2 | 0.3 | |
| Floor coverings ² | 1 | 3 | 3.7 | 0.7 | 0.1 | -0.3 | 0.5 | 0.0 | |
| Household appliances ² | | 4 5 | 3.2 | 0.0 | 0.3 | -0.4 | 0.2 | 1.7 | |
| Home electronic equipment ² Lawn and garden equipment excl. garden tractors ² | | 66 | 3.5 5.9 | 0.3 0.3 | 0.7 0.1 | 0.0 0.0 | 0.0 0.3 | 0.0 0.0 | |
| Passenger cars | 1 | 1101 | -0.6 | 0.3 | 0.1 | -0.4 | -0.8 | -0.3 | |
| Light motor trucks. | 1 | 1105 | 4.4 | 0.6 | -0.1 | 0.5 | -0.4 | 0.2 | |
| Heavy motor trucks ² | 1 | 1106 | 1.9 | 0.1 | 0.6 | 0.0 | 0.1 | 0.2 | |
| Motor vehicles parts ² | 14 | 12 | 2.4 | 0.4 | -0.1 | 0.3 | 0.2 | 0.1 | |
| Truck trailers ² | 1 | 14 | 0.1 | -1.3 | -0.6 | 0.0 | 0.5 | -0.2 | |
| Travel trailers and campers ² | 1 | 16 | 2.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | |
| Aircraft | 1 | 21 | 4.5 | 0.3 | 0.4 | 0.6 | 0.5 | 0.5 | |
| Ships ² | 1 | 31 | 1.4 | 0.3 | -0.4 | 0.6 | 0.1 | 0.8 | |
| Railroad equipment ² | | 4 | 1.8 | 0.1 | 0.1 | 0.8 | 0.0 | 0.0 | |
| Toys, games, and children's vehicles ² | 1 | 11 12 | 2.2 11.3 | 1.1 0.7 | 0.0 1.3 | 0.1 -0.5 | 0.0 -0.3 | 0.0 0.4 | |
| Cigarettes ² | | 21 | 11.7 | 1.7 | 2.1 | 0.0 | 0.0 | 1.8 | |
| Mobile homes ² | 1 | 5 | -4.3 | -1.3 | -0.6 | -0.3 | 0.0 | 0.1 | |
| Medical, surgical & personal aid devices | 15 | 6 | 3.1 | 0.8 | 0.0 | 0.3 | -0.3 | 0.6 | |
| Jewelry, platinum and karat gold ² | 15 | 9402 | 4.3 | 1.7 | -2.0 | 0.9 | 1.5 | 1.1 | |
| Costume jewelry and novelties ² | | 9404 | 7.0 | 4.1 | 0.9 | 0.0 | 1.1 | 0.0 | |
| Final demand services. | 1 | 42 | 2.7 | 0.0 | 0.1 | -0.1 | 0.3 | 0.2 | |
| Final demand trade services ³ | 1 | 423 | 2.9 | -0.8 | -0.2 | -0.6 | 0.6 | 1.0 | |
| Machinery and equipment parts and supplies wholesaling ² | 1 | 1102 | 3.5 | 1.8 | -1.5 | 5.0 | -1.9 | -1.3 | |
| Machinery and vehicle wholesaling ² | 1 | 1103 | 2.4 | -4.7 | -0.3 | -2.3 | 1.0 | 1.2 | |
| Professional and commercial equipment wholesaling ² Furnishings wholesaling ² | 57 57 | 1104 2 | 4.5 5.6 | 1.3 0.4 | 1.2 -0.5 | 5.0 1.1 | -2.9 0.9 | -0.1 0.0 | |
| Chemicals and allied products wholesaling ² | 1 | 5 | 3.3 | 4.0 | -0.5 -3.4 | -2.3 | 2.7 | -0.7 | |
| Paper and plastics products wholesaling ² | | 6 | 4.0 | -2.4 | 0.5 | 0.3 | 0.7 | 0.7 | |
| Apparel wholesaling ² | | 7 | 14.8 | 5.6 | 4.5 | -5.7 | 7.3 | -0.9 | |
| Food and alcohol wholesaling ² | 57 | 8 | 9.9 | -0.4 | -0.8 | 0.6 | 4.1 | 2.4 | |
| Food and alcohol retailing | | 1 | 15.7 | -1.0 | 3.0 | 1.1 | -1.1 | 1.5 | |
| Health, beauty, and optical goods retailing ² | 1 | 2 | -0.2 | 4.1 | 0.6 | -1.0 | -0.6 | -1.0 | |
| Apparel, jewelry, footwear, and accessories retailing | 1 | 3 | 0.4 | 2.0 | -1.7 | 0.8 | -4.2 | 3.4 | |
| Computer hardware, software, and supplies retailing ² | 1 | 4 | -20.4 | -1.6 | -15.1 | 2.2 | 0.3 | -1.6 | |
| TV, video, and photographic equipment and supplies retailing | | 5 6101 | -7.0 -19.9 | 14.1 -6.9 | -12.7 0.4 | 6.8 -0.8 | 1.3 -2.8 | -1.2 5.0 | |
| Automotive parts, including tires, retailing ² | | 6102 | 7.4 | 1.4 | -0.9 | -1.9 | -3.8 | 2.1 | |
| RVs, trailers, and campers retailing ² | | 8 | -43.8 | 16.0 | -4.1 | 9.1 | -5.7 | -5.8 | |
| Sporting goods, including boats, retailing | 1 | 9 | -2.9 | -2.9 | -0.5 | -0.4 | 3.1 | -4.0 | |
| Lawn, garden, and farm equipment and supplies retailing ² | 58 | Α | 18.7 | 0.6 | 0.6 | 12.4 | 1.5 | -2.4 | |
| Furniture retailing ² | 58 | В | -2.6 | 4.4 | 5.8 | -2.7 | 1.1 | 3.2 | |
| Flooring and floor coverings retailing ² | 58 | С | -2.7 | 1.7 | 1.7 | 0.9 | -0.1 | 1.6 | |
| Hardware, building materials, and supplies retailing | | D | -23.7 | -0.5 | -5.0 | 0.5 | -2.6 | -0.3 | |
| Major household appliances retailing | | E | -2.3 | 1.0 | 12.2 | -8.4 | 3.3 | -4.1 | |
| Fuels and lubricants retailing | | F G | 8.5 19.3 | -11.6 | -1.0 7.9 | -12.9 -0.1 | -1.1 6.0 | 11.3 -1.9 | |
| Book retailing ² | | Н | 0.2 | 2.3 | 7.9 -4.3 | -0.1 -0.8 | 0.0 | -1.9 -0.2 | |
| Final demand transportation and warehousing services. | | 422 | -6.8 | 5.2 -0.5 | -4.3 -0.8 | -0.8 -0.7 | -2.4 | -0.2 -1.4 | |
| Rail transportation of freight and mail ² | | 11 | 0.5 | 1.1 | -0.9 | -0.2 | -0.2 | -0.9 | |
| Truck transportation of freight ² | | 12 | -13.6 | -2.2 | -0.9 | -1.6 | -3.0 | -2.1 | |
| Air transportation of freight ² | | 14 | -7.2 | 1.0 | 0.7 | -2.8 | 0.3 | -0.3 | |
| Courier, messenger, and U.S. postal services | 30 | 16 | 5.1 | 2.2 | 0.1 | -0.4 | 0.1 | 0.1 | |
| Rail transportation of passengers | 1 | 21 | 1.4 | -0.2 | 0.1 | 0.1 | -0.1 | 0.1 | |
| Airline passenger services. | 30 | 22 | 1.9 | 2.3 | -1.1 | 1.3 | -2.9 | -1.1 | |
| Final demand services less trade, transportation, and warehousing | 1 | 421 | 3.7 | 0.5 | 0.4 | 0.3 | 0.4 | 0.1 | |
| Sales of books. | 1 | 11 | 7.1 | 1.5 | 0.2 | 0.2 | 1.1 | 0.0 | |
| Sales and subscriptions of periodicals and newspapers Application software publishing ² | 1 | 12 2 | 2.2 -0.2 | -0.7 0.7 | 0.5 -0.7 | -0.5 0.5 | 0.0 | 0.3 0.7 | |
| Application software publishing Advertising space sales in periodicals, newspapers, directories, and | 34 | - | -0.2 | 0.7 | -0.7 | 0.5 | -0.4 | 0.7 | |
| mailing lists ² | 36 | 1 | 3.7 | 1.1 | 0.6 | 0.9 | 0.0 | 0.0 | |
| Residential wired telecommunication services ² | | 11 | 7.4 | 0.0 | 0.2 | 0.4 | 1.3 | 1.6 | |
| Wireless telecommunication services. | 1 | 2 | 1.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | |
| Cable and satellite subscriber services. | 1 | 3 | 10.7 | 0.7 | -0.5 | 1.5 | 0.2 | 0.1 | |
| Internet access services ² | 107 | 4 | 0.2 | 0.9 | 0.3 | 0.8 | -0.2 | -0.5 | |

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

[May 2023]

| Grouping | | nmodity code | Unadjusted 12-month percent change ¹ | Seasonally adjusted 1-month percent change ¹ | | | | | |
|--|---------------|-----------------|--|---|------------------------------|------------------------------|------------------------------|-----------------------------|--|
| | Group code | Item code | May 2022 to May 2023 ^p | Dec. to Jan. | Jan. to Feb. ^p | Feb. to Mar. ^p | Mar. to Apr. ^p | Apr. to May ^p | |
| Bundled wired telecommunications access services ² | 37 | 5 | 8.5 | 4.2 | -0.4 | 1.3 | 0.0 | -1.4 | |
| Consumer loans (partial) | 39 | 12 | 4.4 | 1.8 | 3.2 | -4.7 | 3.0 | -0.4 | |
| Deposit services (partial) ² | | 2 | 19.1 | -1.9 | -2.1 | 4.5 | 0.5 | -1.1 | |
| Other credit intermediation, incl. trust services (partial) ² | 1 | 3 | -3.0 | 0.1 | 1.7 | 0.0 | 0.2 | 1.3 | |
| Portfolio management ² | 40 | 2 | 28.9 -6.9 | 0.3 3.7 | 4.5 -0.2 | -0.3 -3.9 | -0.4 4.0 | 3.2 -2.9 | |
| Life insurance ² | | 1101 | 0.1 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Disability insurance, including accidental death ² | 1 | 1102 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Health and medical insurance. | | 1103 | 2.9 | 1.1 | 0.3 | 0.2 | 0.2 | 0.1 | |
| Property and casualty insurance ² | 41 | 1104 | 5.2 | 1.2 | 0.2 | 0.3 | 0.1 | 0.1 | |
| Annuities ² | 41 | 2 | -0.8 | -0.1 | 0.0 | 0.3 | 0.2 | 0.0 | |
| Residential property sales and leases, brokerage fees and commissions | 43 | 21 | 3.2 | -0.1 | -0.5 | 0.5 | 0.3 | 1.5 | |
| Passenger car rental | | 1 | -7.3 | -2.5 | -1.4 | -1.0 | 2.5 | -4.2 | |
| Legal services. | | 1 | 5.9 | 1.6 | 1.0 | 0.3 | 0.2 | -0.2 | |
| Tax preparation and planning. | 1 | 2102 | 9.4 | -0.1 | 0.6 | 0.2 | 0.4 | 0.6 | |
| Architectural and engineering services | 1 | 3 | 3.7 1.0 | 0.0 1.1 | 0.4 -1.3 | 0.0 0.2 | 0.7 0.1 | 0.2 0.2 | |
| Arrangement of flights (partial) | | 1 | 5.8 | -1.2 | 1.0 | 0.2 | 0.1 | 0.2 | |
| Arrangement of highlis (partial). Arrangement of vehicle rentals and lodging ² | | 2 | 7.5 | 3.0 | 1.3 | 0.7 | 1.6 | -1.3 | |
| Arrangement of cruises and tours ² | 1 | 3 | 9.1 | 0.1 | -6.6 | -1.9 | 2.3 | 2.2 | |
| Physician care | 1 | 1101 | 0.8 | -0.6 | 0.1 | 0.1 | 0.1 | 0.1 | |
| Medical laboratory and diagnostic imaging care ² | 51 | 1102 | 0.0 | 0.6 | -0.1 | 0.0 | 0.0 | 0.0 | |
| Home health and hospice care | | 1103 | 4.2 | 0.3 | 0.1 | 0.4 | 1.0 | 0.1 | |
| Hospital outpatient care ² | 1 | 1104 | 2.1 | 0.8 | 0.3 | 0.3 | 0.7 | 0.2 | |
| Dental care | 1 - | 1105 | 3.3 | 0.0 | 1.9 | 0.1 | 0.0 | 0.0 | |
| Hospital inpatient care | 1 | 2101 | 4.5 | 0.3 | 0.2 | 0.7 | 0.5 | 0.3 | |
| Nursing home care | 1 | 2102 | 7.0 | 1.0 | 0.8 | 0.5 | 0.2 | 0.1 | |
| Traveler accommodation services | 1 | 11 | 6.9 2.8 | -5.4 0.9 | -3.1 0.6 | 6.2 0.1 | 1.0 0.4 | -0.5 0.0 | |
| Motor vehicle repair and maintenance (partial) | | 2 | 5.3 | 0.9 | 0.0 | 1.0 | 0.4 | 0.0 | |
| Membership dues and admissions and recreation facility use fees | 33 | - | 3.3 | 0.9 | 0.0 | 1.0 | 0.4 | 0.1 | |
| (partial) ² | 1 | 1 | 7.1 | 2.5 | 8.0 | 0.3 | 0.1 | -1.2 | |
| Recreational activity instruction fees (partial) ² | | 2 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | |
| Gaming receipts (partial) ² | | 3 | 0.5 | 1.7 | 0.6 | 0.4 | -1.7 | 0.2 | |
| Mining services ² | 1 | 1 | 5.1 | 0.5 | 0.5 | 1.1 | -0.8 | -0.4 | |
| Final demand construction | | 43 1101 | 10.9 7.6 | 1.9 0.0 | 0.0 -0.3 | 0.1 -0.2 | -0.3 -0.3 | 0.2 0.4 | |
| New school building construction ² | 1 | 1102 | 10.9 | 1.6 | 0.0 | 0.2 | -0.3 | 0.4 | |
| New office building construction ² | | 1103 | 14.5 | 3.9 | 0.1 | 0.2 | 0.1 | 0.1 | |
| New industrial building construction ² | | 1104 | 10.4 | 1.3 | 0.1 | 0.2 | -1.1 | 0.0 | |
| New health care building construction ² | | 1105 | 11.9 | 1.7 | 0.1 | 0.1 | -0.4 | 0.0 | |
| Intermediate Demand by Commodity Type | | | | | | | | | |
| Processed goods for intermediate demand | ID6 | 1 | -7.1 | 1.1 | -0.4 | -1.0 | -0.5 | -1.5 | |
| Processed foods and feeds | 1 | 9112 | -4.7 | 0.2 | -2.1 | -0.2 | -1.1 | -1.9 | |
| Meats | | 21 | 2.6 | 2.4 | -1.0 | 1.9 | -3.2 | -0.9 | |
| Processed poultry | | 22 | -24.8 | 1.2 | -3.6 | 1.0 | -1.8 | -2.7 | |
| Dairy productsProcessed fruits and vegetables ² | | 3 | -8.6 | -1.6 | -2.0 | -1.8 | -0.3 | -1.0 | |
| Refined sugar and byproducts ² | | 53 | 14.5 11.6 | 1.2 0.5 | 1.0 2.4 | 0.8 0.4 | 0.2 0.1 | 1.3 1.3 | |
| Fats and oils ² | | 7 | -24.2 | 0.3 | -6.1 | -4.4 | -5.1 | -3.7 | |
| Prepared animal feeds. | 1 | 9 | -0.2 | -0.8 | -1.8 | 0.1 | -1.4 | -1.4 | |
| Processed materials less foods and feeds. | 1 | 9111 | -7.3 | 1.2 | -0.2 | -1.1 | -0.4 | -1.5 | |
| Synthetic fibers ² | 03 | 1 | 3.6 | 2.0 | -0.9 | -0.3 | 0.1 | -1.3 | |
| Processed yarns and threads ² | | 2 | -13.6 | -3.0 | -0.2 | -0.2 | -1.0 | -1.0 | |
| Finished fabrics ² | 1 | 4 | 1.4 | 0.0 | 0.3 | 0.0 | -0.1 | -0.2 | |
| Liquefied petroleum gas ² | 1 | 32 | -60.0 | 2.0 | 1.4 | -11.4 | -5.1 | -16.1 | |
| Commercial electric power. | 1 | 42 | 10.2 | 2.1 | 1.7 | -2.6 | -0.1 | 1.8 | |
| Industrial electric power. | | 43 | 7.8 | 7.0 | -3.9 -11.0 | -0.5 -0.8 | -1.7 -6.2 | 1.5 | |
| Commercial natural gas | 1 | 52 53 | -16.1 -19.7 | 11.9 6.8 | -11.0 -10.3 | -9.8 -7.0 | -6.2 -6.2 | -6.4 -6.7 | |
| Natural gas to electric utilities. | 05 | 54 | -19.7 | 7.4 | 1.6 | -7.0 -6.2 | -6.2 -5.4 | -11.3 | |
| · · | | 71 | -28.5 | 7.4 | 2.8 | -11.6 | 8.6 | -13.8 | |
| Gasoline | | | | | | | 0.0 | . 0.0 | |
| Gasoline | | 7203 | -46.0 | 14.0 | -5.3 | -6.1 | -13.2 | -12.5 | |
| | 05 | 7203 7303 | -46.0 -38.3 | 14.0 11.0 | -5.3 -4.6 | -6.1 -6.3 | -13.2 -3.7 | -12.5 -13.7 | |

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

[May 2023]

| Grouping | | nmodity ode | Unadjusted 12-month percent change ¹ | Seasonally adjusted 1-month percent change ¹ | | | | | |
|---|---------------|----------------|--|---|------------------------------|------------------------------|------------------------------|-----------------------------|--|
| отобринд | Group code | Item code | May 2022 to May 2023 ^p | Dec. to Jan. | Jan. to Feb. ^p | Feb. to Mar. ^p | Mar. to Apr. ^p | Apr. to May ^p | |
| Finished lubricants ² | 05 | 76 | 14.1 | -0.5 | 0.3 | 0.1 | -0.9 | 0.1 | |
| Lubricating oil base stocks ² | 1 | 78 | -23.7 | -21.4 | 3.3 | -3.0 | 3.7 | -12.7 | |
| Asphalt | | 8102 | -27.2 | 2.9 | -2.9 | 3.3 | 13.1 | 9.6 | |
| Basic inorganic chemicals ² | 1 | 13 | 6.0 | 2.0 | -0.2 | -0.4 | -1.6 | -1.2 | |
| Basic organic chemicals | 06 06 | 14 21 | -16.7 | 0.8 | 0.6 | -3.9 | 0.1 | -2.1 0.2 | |
| Prepared paint Prepared Paint Prepared Paint Prepared Paint Prepared Paint Prepared | 06 | 22 | 4.5 10.5 | 0.1 -1.7 | 0.1 -2.5 | -0.2 3.2 | 0.3 -0.5 | 2.0 | |
| Medicinal and botanical chemicals ² | 06 | 31 | 1.8 | 0.4 | -0.4 | 0.5 | 0.1 | 0.0 | |
| Biological products, including diagnostics | 06 | 37 | 4.0 | 1.3 | 0.7 | 0.4 | 0.2 | -0.2 | |
| Fats and oils, inedible ² | 06 | 4 | -23.1 | -2.1 | -5.4 | -2.6 | -2.9 | -4.2 | |
| Nitrogenates | 06 | 5201 | -45.6 | -10.4 | -12.1 | -9.9 | -9.0 | -8.0 | |
| Phosphates | 06 | 5202 | -24.4 | -0.3 | -2.5 | -5.0 | 2.0 | -4.7 | |
| Other agricultural chemicals ² | 1 | 53 | -7.7 | -1.9 | 1.2 | 0.0 | -0.3 | -0.4 | |
| Plastic resins and materials | 1 | 6 | -10.4 | -1.0 | 1.4 | 0.2 | 2.3 | -0.7 | |
| Industrial gases ² | | 7903 7904 | 0.5 9.2 | 3.0 0.2 | 0.0 0.8 | 1.0 | -0.8 | -1.9 | |
| Synthetic rubber ² | 1 | 1102 | -7.5 | -1.9 | -0.2 | 0.3 -1.4 | 0.7 1.4 | 0.2 -1.3 | |
| Tires ² | 1 | 1201 | 9.0 | 3.0 | 0.0 | 0.0 | 0.3 | -0.3 | |
| Plastic construction products ² | 1 - | 21 | -1.6 | -0.2 | -1.1 | 0.1 | -0.2 | -0.7 | |
| Unsupported plastic film, sheet, other shapes ² | | 22 | -1.6 | -1.2 | -0.2 | -1.5 | 0.1 | -0.4 | |
| Parts for manufacturing from plastics ² | 07 | 26 | 0.6 | -0.3 | -1.7 | -0.1 | -0.4 | -0.6 | |
| Plastic packaging products ² | 07 | 2A | -0.3 | -2.0 | -0.6 | -0.2 | 0.0 | 0.3 | |
| Softwood lumber | 08 | 11 | -40.4 | -9.8 | -1.0 | -4.0 | 6.2 | -3.1 | |
| Hardwood lumber ² | | 12 | -17.8 | 7.6 | -1.7 | -1.3 | -0.7 | 0.8 | |
| Millwork | 08 | 2 | -5.2 | -0.4 | 0.0 | -1.0 | -1.1 | -0.6 | |
| Plywood ² | 1 | 3 13 | -21.4 | -1.3 | -1.6 | -1.0 | -0.3 | -0.6 | |
| Paper ² Paperboard ² | 1 | 14 | 3.7 0.0 | -0.3 -0.5 | 0.7 -1.0 | -0.4 -0.9 | 1.2 -1.0 | -1.9 -0.2 | |
| Paper boxes and containers ² | | 1503 | 3.6 | 0.0 | -0.3 | -0.8 | -0.4 | 0.7 | |
| Building paper and board ² | | 2 | -33.9 | -6.1 | -0.8 | 0.8 | 2.1 | 1.8 | |
| Commercial printing ² | | 47 | 6.7 | 1.4 | 0.1 | 0.4 | -0.3 | 0.0 | |
| Foundry and forge shop products ² | 10 | 15 | 2.2 | 1.5 | 0.6 | 0.1 | 1.0 | -0.2 | |
| Steel mill products ² | 1 | 17 | -18.9 | -2.4 | 2.3 | 0.9 | 3.6 | 5.2 | |
| Primary nonferrous metals ² | 1 | 22 | -6.2 | 3.1 | 1.5 | -5.2 | 0.9 | 4.4 | |
| Secondary nonferrous metals ² | 1 | 24 | -6.4 | 1.3 | 0.6 | 0.3 | -0.4 | -0.6 | |
| Aluminum mill shapes ² | 10 | 2501 | -15.2 | 2.3 | 1.7 | -0.3 | -1.4 | 0.0 | |
| Nonferrous wire and cable ² | 1 - | 2502 26 | -5.5 -2.9 | 2.2 2.8 | 2.0 -2.7 | 0.1 -0.8 | -0.9 -0.1 | -2.1 -1.7 | |
| Nonferrous foundry shop products. | 1 | 28 | 3.4 | -0.3 | 0.8 | -0.3 | -0.1 | -0.1 | |
| Metal containers ² | | 3 | -1.8 | -1.8 | -0.3 | -0.3 | 0.2 | 0.3 | |
| Hardware ² | | 4 | 4.1 | 0.9 | 0.1 | 0.2 | 0.0 | 0.0 | |
| Plumbing fixtures and brass fittings | 10 | 5 | 2.5 | 0.3 | -0.8 | 0.4 | -0.6 | 0.8 | |
| Heating equipment ² | | 6 | 5.8 | 0.3 | -0.1 | 1.1 | 0.3 | -0.4 | |
| Fabricated structural metal products | | 7 | -1.8 | 0.4 | -0.3 | 0.4 | 0.0 | -0.5 | |
| Bolts, nuts, screws, rivets, and washers ² | 1 | 81 | 7.4 | 1.0 | 1.6 | 0.4 | 0.5 | 0.3 | |
| Lighting fixtures ² | 1 | 83 | 4.9 | 0.3 | 0.1 | 1.5 | 0.0 | 0.6 | |
| Fabricated ferrous wire products ² | 1 | 88 89 | -2.8 3.9 | -0.3 0.2 | -0.5 0.9 | -0.5 -0.3 | -0.1 0.1 | 0.0 0.0 | |
| Fluid power equipment | 1 | 43 | 13.7 | 1.1 | 0.6 | 0.4 | 6.5 | -0.1 | |
| Mechanical power transmission equipment ² | 1 | 45 | 8.5 | 0.9 | -0.1 | 0.0 | 0.2 | 0.1 | |
| Air conditioning and refrigeration equipment | | 48 | 7.7 | -0.2 | 0.1 | 1.7 | 0.0 | 0.7 | |
| Metal valves, except fluid power | | 4902 | 7.6 | 0.7 | -0.1 | 0.1 | -0.1 | 1.3 | |
| Ball and roller bearings ² | 1 | 4905 | 5.9 | 0.0 | -0.1 | 2.3 | -0.2 | 0.0 | |
| Wiring devices ² | | 71 | 14.8 | 8.3 | 0.5 | 0.5 | 0.2 | 0.0 | |
| Motors, generators, motor generator sets ² | | 73 | 7.6 | 0.6 | 1.4 | 0.0 | 0.5 | 0.0 | |
| Switchgear, switchboard, and industrial controls equip. ² | 1 | 75 | 10.7 | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | |
| Electronic components and accessories | | 78 94 | 0.1 | -0.6 | 0.1 | 0.0 | -0.5 | -1.2 | |
| Internal combustion engines | 11 | 95 | 5.7 5.8 | 4.0 0.1 | 0.0 0.5 | 0.0 0.1 | 0.3 0.2 | -0.1 0.5 | |
| Flat glass ² | | 11 | 8.0 | -0.5 | 0.5 3.5 | 0.1 | 0.2 | -1.1 | |
| Cement. | 1 | 22 | 13.6 | 3.6 | 1.3 | 0.7 | -1.2 | 0.6 | |
| Concrete products. | 1 | 3 | 12.5 | 1.2 | 0.4 | 0.8 | -0.1 | 1.1 | |
| Asphalt felts and coatings ² | | 6 | 3.6 | -2.4 | -0.2 | 0.1 | 1.8 | 0.8 | |
| Paving mixtures and blocks | | 94 | 4.9 | -1.0 | 1.9 | 1.2 | -0.9 | -2.0 | |
| Motor vehicle parts ² | 1 | 12 | 2.4 | 0.4 | -0.1 | 0.3 | 0.2 | 0.1 | |
| Aircraft engines and engine parts | 14 | 23 | 3.9 | 0.3 | 0.4 | 0.1 | 0.3 | 0.2 | |

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

[May 2023]

| Grouping | | nmodity code | Unadjusted 12-month percent change ¹ | S | easonally adju | sted 1-month | percent chang | nge ¹ | |
|---|---------------|-----------------|--|-----------------|------------------------------|------------------------------|------------------------------|-----------------------------|--|
| | Group code | Item code | May 2022 to May 2023 ^p | Dec. to Jan. | Jan. to Feb. ^p | Feb. to Mar. ^p | Mar. to Apr. ^p | Apr. to May ^p | |
| Aircraft parts and auxiliary equipment, n.e.c Medical, surgical, and personal aid devices. | 1 | 25 6 | 6.0 3.1 | 0.7 0.8 | 1.9 0.0 | 1.0 0.3 | 0.0 -0.3 | 0.1 0.6 | |
| Unprocessed goods for intermediate demand | ID6 | 2 | -27.5 | -4.7 | -4.9 | -4.6 | 1.6 | -4.8 | |
| Unprocessed foodstuffs and feedstuffs | 1 | 21 | -13.7 | -5.8 | -1.0 | -0.7 | -1.5 | -3.0 | |
| Wheat ² | | 21 | -31.6 | -3.6 | 5.9 | -9.3 | 4.0 | -3.3 | |
| Corn | | 2202 31 | -17.9 22.3 | -1.2 1.2 | -0.2 -0.6 | -7.5 4.1 | 2.4 8.0 | -6.0 -0.5 | |
| Slaughter bogs. | 1 | 32 | -24.9 | -14.0 | -0.0 | -3.3 | -8.0 | -4.9 | |
| Slaughter chickens | 1 | 4102 | -18.1 | -9.4 | 5.6 | 1.8 | -0.1 | -0.4 | |
| Slaughter turkeys | 01 | 42 | 16.0 | 2.3 | -2.7 | -0.9 | -2.4 | -2.2 | |
| Raw milk | 1 | 6 | -21.3 | -2.9 | -5.3 | -3.3 | -3.8 | 4.8 | |
| Hay and hayseeds ² Oilseeds. | | 81 8301 | -12.3 -12.3 | -11.0 -4.9 | 10.5 0.6 | -5.0 -4.2 | -15.3 0.5 | 3.4 -1.2 | |
| Raw cane sugar and byproducts ² | 1 | 5201 | 11.4 | 3.2 | 1.3 | 2.3 | -0.2 | -1.2 -2.5 | |
| Unprocessed nonfood materials. | 1 | 22 | -34.2 | -4.1 | -7.2 | -7.1 | 3.7 | -6.0 | |
| Raw cotton ² | 01 | 51 | -43.8 | 2.9 | -2.4 | -5.1 | -0.3 | -3.2 | |
| Hides and skins | 1 | 1 | -4.6 | -4.7 | 0.3 | 4.9 | 3.0 | 3.9 | |
| Coal | | 1 | 7.4 | 2.8 | 8.0 | -4.0 | 4.2 | 1.6 | |
| Natural gas ² | 1 | 31 61 | -75.4 -30.8 | -17.6 -1.2 | -38.7 3.3 | -25.5 -7.1 | -18.4 12.1 | -2.0 -10.2 | |
| Logs, bolts, timber, pulpwood, and woodchips ² | | 5 | -30.6 | -0.5 | -0.9 | -7.1 -1.1 | -0.7 | -10.2 | |
| Recyclable paper ² | 1 | 12 | -55.0 | -3.7 | 7.4 | -0.4 | 6.4 | 5.8 | |
| Iron ores ² | 10 | 11 | -1.5 | 0.9 | 1.0 | -0.5 | -1.3 | -11.1 | |
| Iron and steel scrap | 1 | 12 | -20.4 | 1.3 | 11.1 | 5.2 | 4.1 | -8.0 | |
| Nonferrous metal ores ² | 1 | 21 | -3.2 | 10.8 | -5.0 | 4.0 | 0.6 | -1.4 | |
| Copper base scrap ² | 1 | 2301 2302 | -7.1 -25.3 | 2.8 0.0 | 0.9 -1.7 | 0.2 -4.5 | -0.3 -1.4 | -3.8 4.0 | |
| Construction sand, gravel, and crushed stone. | | 21 | 10.7 | 3.5 | 0.9 | -0.1 | 0.0 | 0.1 | |
| Services for intermediate demand. | | 3 | 3.9 | 1.0 | 0.2 | -0.2 | 0.7 | 0.2 | |
| Trade services for intermediate demand ³ | | 33 | 0.8 | 0.8 | -0.8 | 0.9 | 1.6 | 0.2 | |
| Machinery and equipment parts and supplies wholesaling ² | 1 | 1102 | 3.5 | 1.8 | -1.5 | 5.0 | -1.9 | -1.3 | |
| Building materials, paint, and hardware wholesaling | 1 | 3 | -6.4 | -2.5 | -2.0 | -1.8 | 0.7 | -1.5 | |
| Metals, minerals, and ores wholesaling ² | | 4 | -5.5 | 15.0 | 2.1 | 10.4 | 2.1 | -0.3 | |
| Chemicals and allied products wholesaling ² | | 5 6 | 3.3 4.0 | 4.0 -2.4 | -3.4 0.5 | -2.3 0.3 | 2.7 0.7 | -0.7 0.7 | |
| Food wholesaling ² | 1 | 8101 | 10.1 | -0.5 | -1.0 | 0.9 | 4.6 | 2.8 | |
| Automotive parts, including tires, retailing ² | 1 | 6102 | 7.4 | 1.4 | -0.9 | -1.9 | -3.8 | 2.1 | |
| Hardware, building material, and supplies retailing | 1 | D | -23.7 | -0.5 | -5.0 | 0.5 | -2.6 | -0.3 | |
| Transportation and warehousing services for intermediate demand | 1 | 32 | -2.7 | 0.5 | 0.0 | -0.9 | -1.1 | -0.9 | |
| Rail transportation of freight and mail ² | 1 | 11 12 | 0.5 | 1.1 -2.2 | -0.9 | -0.2 | -0.2 | -0.9 -2.1 | |
| Truck transportation of freight ² | | 13 | -13.6 5.0 | -2.2 -2.2 | -0.9 1.3 | -1.6 -2.4 | -3.0 -0.6 | 2.9 | |
| Air transportation of freight ² | 1 | 14 | -7.2 | 1.0 | 0.7 | -2.8 | 0.3 | -0.3 | |
| U.S. Postal Service ² | 30 | 1601 | 10.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Courier and messenger services, except air mail | 1 | 1602 | 4.0 | -0.3 | 0.3 | -0.2 | 0.1 | 0.7 | |
| Air mail and package delivery services, excluding by USPS | | 1603 | -3.2 | 3.3 | -0.1 | -1.4 | 0.0 | -0.7 | |
| Pipline transportation ² | 1 | 17 2 | 5.4 1.9 | 0.3 2.3 | 1.2 -1.1 | 0.0 1.3 | -1.1 -2.9 | 0.2 -1.1 | |
| Services related to water transportation. | 1 | 1 | 3.2 | 1.0 | 1.1 | -1.1 | -0.1 | 1.2 | |
| Arrangement of freight and cargo ² | 31 | 31 | -32.9 | -5.2 | -2.1 | -6.4 | -4.1 | -2.0 | |
| Warehousing, storage, and related services ² | 32 | 1 | 12.0 | 2.8 | 2.9 | -0.3 | 0.0 | -3.8 | |
| Services less trade, transportation, and warehousing for intermediate demand. | ID6 | 31 | 6.6 | 1.1 | 0.5 | -0.4 | 0.9 | 0.4 | |
| Network compensation from broadcast TV, cable TV, radio ² | | _ | 2.2 | 0.2 | -0.8 | 1.1 | 0.0 | 0.4 | |
| Advertising space sales in periodicals and newspapers ² | | 11 | 2.6 | 0.4 | 0.7 | 1.0 | 0.0 | 0.0 | |
| Advertising space sales in directories and mail lists ² | | 12 | 9.7 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Television advertising time sales | 1 | 2 | -20.9 | -1.9 | -7.6 | -2.9 | 2.8 | -1.6 | |
| Radio advertising time sales. Internet advertising sales ² | 1 | 3 6 | -8.3 | -9.8 0.5 | 10.7 | -1.6 | -1.2 | 3.9 | |
| Business wired telecommunication services ² | | 12 | 3.7 | 0.5 -0.1 | 0.0 1.2 | 0.0 0.1 | 0.0 0.7 | 0.0 0.1 | |
| Wireless telecommunication services. | | 2 | 1.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | |
| Cable and satellite subscriber services | 37 | 3 | 10.7 | 0.7 | -0.5 | 1.5 | 0.2 | 0.1 | |
| Bundled wired telecommunication access services ² | | 5 | 8.5 | 4.2 | -0.4 | 1.3 | 0.0 | -1.4 | |
| Data processing and related services ² | | 1 | 0.7 | 0.2 | 0.4 | 0.3 | -0.1 | 0.1 | |
| Business loans (partial) | 39 | 11 | 80.7 | 8.7 | 10.8 | -5.8 | 2.8 | 3.2 | |

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

[May 2023]

| Grouping | | nmodity | Unadjusted 12-month percent change ¹ | Seasonally adjusted 1-month percent change ¹ | | | | | |
|---|---------------|--------------|--|---|------------------------------|------------------------------|------------------------------|-----------------------------|--|
| , 0 | Group code | Item code | May 2022 to May 2023 ^p | Dec. to Jan. | Jan. to Feb. ^p | Feb. to Mar. ^p | Mar. to Apr. ^p | Apr. to May ^p | |
| Deposit services (partial) ² | 39 | 2 | 19.1 | -1.9 | -2.1 | 4.5 | 0.5 | -1.1 | |
| Other credit intermediation, incl. trust services (partial) ² | 39 | 3 | -3.0 | 0.1 | 1.7 | 0.0 | 0.2 | 1.3 | |
| Securities brokerage, dealing, investment advice, and related services ² | 40 | 1 | 28.9 | 0.3 | 4.5 | -0.3 | -0.4 | 3.2 | |
| Portfolio management ² | | 2 | -6.9 | 3.7 | -0.2 | -3.9 | 4.0 | -2.9 | |
| Investment banking ² | | 3 | -4.1 | 0.3 | 2.1 | 1.5 | -1.1 | 1.5 | |
| Life insurance ² | 41 | 1101 | 0.1 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Health and medical insurance | | 1103 | 2.9 | 1.1 | 0.3 | 0.2 | 0.2 | 0.1 | |
| Property and casualty insurance ² | | 1104 | 5.2 | 1.2 | 0.2 | 0.3 | 0.1 | 0.1 | |
| Annuities ² | | 2 | -0.8 | -0.1 | 0.0 | 0.3 | 0.2 | 0.0 | |
| Commissions from sales of insurance ² | 1 | 1 | 1.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.1 | |
| Nonresidential real estate rents ² | | 11 | 1.6 | 1.7 | -4.2 | -1.7 | 2.6 | -0.3 | |
| Nonresidential property sales and leases ² | | 12 | -1.2 | -0.6 | -1.1 | -0.6 | -0.8 | -0.4 | |
| Residential property management fees ² | 1 | 22 | 1.3 | 0.7 | -0.5 | -0.1 | 0.3 | 0.7 | |
| Passenger car rental. | 1 | 1 | -7.3 | -2.5 | -1.4 | -1.0 | 2.5 | -4.2 | |
| Truck, utility trailer, and RV rental and leasing ² | 44 | 2 | 2.8 | -0.7 | -0.6 | 0.7 | 0.2 | -0.4 | |
| leasing ² | 44 | 3 | 8.4 | 1.4 | 0.0 | 0.0 | 0.8 | 0.3 | |
| Legal services | 45 | 1 | 5.9 | 1.6 | 1.0 | 0.3 | 0.2 | -0.2 | |
| Accounting services (partial) | 45 | 2 | 7.2 | 1.2 | 1.2 | 1.0 | 0.7 | 0.1 | |
| Architectural and engineering services | 45 | 3 | 3.7 | 0.0 | 0.4 | 0.0 | 0.7 | 0.2 | |
| Management, scientific, and technical consulting services | 1 | 4 | 1.0 | 1.1 | -1.3 | 0.2 | 0.1 | 0.2 | |
| Advertising and related services (partial) ² | 1 | 5 | 0.9 | 0.1 | 0.2 | 0.2 | 0.0 | 0.0 | |
| Permanent placement services ² | 1 | 1 | 3.7 | -0.1 | -2.5 | 1.2 | 2.4 | 0.1 | |
| Executive search services ² | 1 | 2 | 0.5 | 1.1 | -0.7 | 0.7 | -1.1 | -1.8 | |
| Staffing services | 1 | 3 | 1.1 | 0.0 | -0.2 | 0.6 | 0.9 | 0.2 | |
| Security guard services ² | | 1 | 9.4 | 1.1 | 0.1 | 0.3 | 0.1 | 2.1 | |
| Janitorial services ² | | 1 | 2.2 | 0.7 | -0.1 | 0.2 | 0.5 | 0.0 | |
| Waste collection | | 1 | 12.7 | 1.3 | 1.6 | 1.1 | 1.1 | 0.7 | |
| Traveler accommodation services. | 53 | 11 | 6.9 | -5.4 | -3.1 | 6.2 | 1.0 | -0.5 | |
| Commercial and industrial machinery and equipment repair and maintenance. | 55 | 1 | 8.9 | -0.6 | -0.4 | 1.0 | 1.4 | 0.4 | |
| Aircraft repair and maintenance. | | 4 | 4.5 | -0.5 | 1.8 | 0.7 | 0.4 | 0.2 | |
| Metal treatment services ² | 1 | 1 | 5.4 | 2.5 | 0.0 | 0.1 | 0.7 | 0.4 | |
| Construction for intermediate demand | ID6 | 4 | 4.4 | 0.8 | 0.2 | 0.4 | 0.7 | 1.7 | |
| Maintenance and repair of non-residential buildings (partial) ² | 1 | 2 | 4.4 | 0.8 | 0.2 | 0.4 | 0.7 | 1.7 | |
| Intermediate Demand by Production Flow | | | | | | | | | |
| Stage 4 intermediate demand | ID5 | 4 | 1.5 | 1.0 | 0.0 | -0.2 | 0.4 | -0.2 | |
| Stage 4 intermediate demand goods. | 1 | 9411 | -1.4 | 0.8 | -0.1 | -0.2 | -0.2 | -0.2 | |
| Grains | | 2 | -20.0 | -1.6 | 0.8 | -7.4 | 2.7 | -5.4 | |
| Meats | 1 | 21 | 2.6 | 2.4 | -1.0 | 1.9 | -3.2 | -0.9 | |
| Unprocessed and packaged fish | | 23 | -2.3 | 0.2 | -0.6 | 0.9 | -1.8 | 1.6 | |
| Dairy products. | | 3 | -8.6 | -1.6 | -2.0 | -1.8 | -0.3 | -1.0 | |
| Commercial electric power | 05 | 42 | 10.2 | 2.1 | 1.7 | -2.6 | -0.1 | 1.8 | |
| Industrial electric power | | 43 | 7.8 | 7.0 | -3.9 | -0.5 | -1.7 | 1.5 | |
| Gasoline | 05 | 71 | -28.5 | 7.5 | 2.8 | -11.6 | 8.6 | -13.8 | |
| No. 2 diesel fuel | 05 | 7303 | -38.3 | 11.0 | -4.6 | -6.3 | -3.7 | -13.7 | |
| Basic organic chemicals | 06 | 14 | -16.7 | 0.8 | 0.6 | -3.9 | 0.1 | -2.1 | |
| Prepared paint ² | 06 | 21 | 4.5 | 0.1 | 0.1 | -0.2 | 0.3 | 0.2 | |
| Medicinal and botanical chemicals ² | 06 | 31 | 1.8 | 0.4 | -0.4 | 0.5 | 0.1 | 0.0 | |
| Biological products, including diagnostics | 06 | 37 | 4.0 | 1.3 | 0.7 | 0.4 | 0.2 | -0.2 | |
| Pharmaceutical preparations | 1 | 38 | 2.7 | 0.8 | 0.4 | 0.0 | 0.2 | 0.0 | |
| Plastic construction products ² | | 21 | -1.6 | -0.2 | -1.1 | 0.1 | -0.2 | -0.7 | |
| Unsupported plastic film, sheet, and other shapes ² | | 22 | -1.6 | -1.2 | -0.2 | -1.5 | 0.1 | -0.4 | |
| Parts for manufacturing from plastics ² | | 26 | 0.6 | -0.3 | -1.7 | -0.1 | -0.4 | -0.6 | |
| Plastic packaging products ² | | 2A | -0.3 | -2.0 | -0.6 | -0.2 | 0.0 | 0.3 | |
| Lumber | 1 | 1 | -33.8 | -3.5 | -1.3 | -2.9 | 3.3 | -1.6 | |
| Millwork Paper boxes and containers ² | | 2 1503 | -5.2 3.6 | -0.4 0.0 | 0.0 | -1.0 -0.8 | -1.1 -0.4 | -0.6 0.7 | |
| Commercial printing ² | | 47 | 6.7 | 1.4 | -0.3 0.1 | -0.8 0.4 | -0.4 -0.3 | 0.7 | |
| Steel mill products ² | | 17 | -18.9 | -2.4 | 2.3 | 0.4 | -0.3 3.6 | 5.2 | |
| Nonferrous wire and cable ² | | 26 | -10.9 | 2.8 | 2.3 -2.7 | -0.8 | -0.1 | 5.2 -1.7 | |
| Fabricated structural metal products. | | 7 | -1.8 | 0.4 | -0.3 | 0.4 | 0.0 | -0.5 | |
| Other miscellaneous metal products ² | 1 | 89 | 3.9 | 0.4 | 0.9 | -0.3 | 0.0 | 0.0 | |
| Air conditioning and refrigeration equipment | 1 | 48 | 7.7 | -0.2 | 0.1 | 1.7 | 0.0 | 0.7 | |
| Wiring devices ² | 1 | 71 | 14.8 | 8.3 | 0.5 | 0.5 | 0.2 | 0.0 | |
| • | | | | | | | | | |

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

[May 2023]

| Grouping | | nmodity ode | Unadjusted 12-month percent change ¹ | Seasonally adjusted 1-month percent change ¹ | | | | | |
|---|---------------|----------------|--|---|------------------------------|------------------------------|------------------------------|-----------------------------|--|
| Glouping | Group code | Item code | May 2022 to May 2023 ^p | Dec. to Jan. | Jan. to Feb. ^p | Feb. to Mar. ^p | Mar. to Apr. ^p | Apr. to May ^p | |
| Electronic components and accessories | | 78 | 0.1 | -0.6 | 0.1 | 0.0 | -0.5 | -1.2 | |
| Miscellaneous electrical machinery and equipment ² | 1 | 79 | 3.9 | 0.7 | -0.3 | 0.0 | 0.0 | 0.2 | |
| Internal combustion engines ² | | 94 | 5.7 | 4.0 | 0.0 | 0.0 | 0.3 | -0.1 | |
| Machine shop products ² | 1 | 95 | 5.8 | 0.1 | 0.5 | 0.1 | 0.2 | 0.5 | |
| Concrete ingredients and related products | 1 | 2 | 11.5 | 3.5 | 1.0 | 0.1 | -0.3 | 0.3 | |
| Concrete products Prepared asphalt, tar roofing and siding products ² | 1 | 61 | 12.5 3.0 | 1.2 -3.1 | 0.4 -0.3 | 0.8 0.1 | -0.1 2.3 | 1.1 0.8 | |
| Paving mixtures and blocks | 1 | 94 | 4.9 | -1.0 | 1.9 | 1.2 | -0.9 | -2.0 | |
| Motor vehicle parts ² | 1 | 12 | 2.4 | 0.4 | -0.1 | 0.3 | 0.2 | 0.1 | |
| Aircraft engines and engine parts | 1 | 23 | 3.9 | 0.3 | 0.4 | 0.1 | 0.3 | 0.2 | |
| Aircraft parts and auxiliary equipment, n.e.c | 14 | 25 | 6.0 | 0.7 | 1.9 | 1.0 | 0.0 | 0.1 | |
| Medical, surgical and personal aid devices | 15 | 6 | 3.1 | 0.8 | 0.0 | 0.3 | -0.3 | 0.6 | |
| Stage 4 intermediate demand services | 1 | 9412 | 4.2 | 1.2 | 0.0 | 0.0 | 8.0 | 0.1 | |
| Truck transportation of freight ² | 1 | 12 | -13.6 | -2.2 | -0.9 | -1.6 | -3.0 | -2.1 | |
| Courier, messenger, and U.S. postal services | 1 | 16 | 5.1 | 2.2 | 0.1 | -0.4 | 0.1 | 0.1 | |
| Airline passenger services | | 22 | 1.9 12.0 | 2.3 2.8 | -1.1 2.9 | 1.3 -0.3 | -2.9 0.0 | -1.1 -3.8 | |
| Advertising space sales in periodicals and newspapers ² | | 11 | 2.6 | 0.4 | 0.7 | -0.3 1.0 | 0.0 | -3.8 0.0 | |
| Data processing and related services ² | 1 | 1 | 0.7 | 0.4 | 0.7 | 0.3 | -0.1 | 0.0 | |
| Business loans (partial). | 1 | 11 | 80.7 | 8.7 | 10.8 | -5.8 | 2.8 | 3.2 | |
| Deposit services (partial) ² | 39 | 2 | 19.1 | -1.9 | -2.1 | 4.5 | 0.5 | -1.1 | |
| Securities brokerage, dealing, investment advice, and related services ² | 40 | 1 | 28.9 | 0.3 | 4.5 | -0.3 | -0.4 | 3.2 | |
| Portfolio management ² | 40 | 2 | -6.9 | 3.7 | -0.2 | -3.9 | 4.0 | -2.9 | |
| Investment banking ² | 1 | 3 | -4.1 | 0.3 | 2.1 | 1.5 | -1.1 | 1.5 | |
| Insurance | 1 | 11 | 3.5 | 0.8 | 0.2 | 0.2 | 0.2 | 0.0 | |
| Annuities ² | 1 | 2 | -0.8 | -0.1 | 0.0 | 0.3 | 0.2 | 0.0 | |
| Nonresidential real estate rents ² | | 11 | 1.6 | 1.7 | -4.2 | -1.7 | 2.6 | -0.3 | |
| Nonresidential property sales and leases ² | 1 | 12 13 | -1.2 -1.1 | -0.6 -0.5 | -1.1 -4.4 | -0.6 -1.2 | -0.8 0.4 | -0.4 0.2 | |
| Residential property management fees ² | 1 | 22 | 1.3 | 0.7 | -0.5 | -0.1 | 0.4 | 0.2 | |
| Construction, mining, and forestry machinery and equipment rental and | -0 | | 1.0 | 0.7 | 0.5 | 0.1 | 0.0 | 0.7 | |
| leasing ² | 44 | 3 | 8.4 | 1.4 | 0.0 | 0.0 | 0.8 | 0.3 | |
| Legal services | | 1 | 5.9 | 1.6 | 1.0 | 0.3 | 0.2 | -0.2 | |
| Advertising agency services ² | | 51 | 0.9 | 0.1 | 0.2 | 0.2 | 0.0 | 0.0 | |
| Accounting services (partial) | 1 | 2 | 7.2 | 1.2 | 1.2 | 1.0 | 0.7 | 0.1 | |
| Architectural and engineering services | 1 | 3 | 3.7 1.0 | 0.0 1.1 | 0.4 -1.3 | 0.0 0.2 | 0.7 0.1 | 0.2 0.2 | |
| Staffing services. | 1 | 3 | 1.1 | 0.0 | -0.2 | 0.2 | 0.1 | 0.2 | |
| Janitorial services ² | 49 | 1 | 2.2 | 0.7 | -0.1 | 0.2 | 0.5 | 0.0 | |
| Commercial and industrial machinery and equipment repair and maintenance. | 55 | 1 | 8.9 | -0.6 | -0.4 | 1.0 | 1.4 | 0.4 | |
| Machinery and equipment parts and supplies wholesaling ² | | 1102 | 3.5 | 1.8 | -1.5 | 5.0 | -1.9 | -1.3 | |
| Building materials, paint, and hardware wholesaling | | 3 | -6.4 | -2.5 | -2.0 | -1.8 | 0.7 | -1.5 | |
| , | 1 | 4 | -5.5 | 15.0 | 2.1 | 10.4 | 2.1 | -0.3 | |
| Chemicals and allied products wholesaling ² | | 5 | 3.3 | 4.0 | -3.4 | -2.3 | 2.7 | -0.7 | |
| Paper and plastics products wholesaling ² | 1 | 8 | 4.0 9.9 | -2.4 -0.4 | 0.5 -0.8 | 0.3 0.6 | 0.7 4.1 | 0.7 2.4 | |
| Hardware and building materials and supplies retailing | 1 | D | -23.7 | -0.4 | -5.0 | 0.5 | -2.6 | -0.3 | |
| Metal treatment services ² | | 1 | 5.4 | 2.5 | 0.0 | 0.1 | 0.7 | 0.4 | |
| Stage 3 intermediate demand | | 3 | -6.5 | 0.2 | -0.3 | -0.7 | -0.1 | -1.0 | |
| Stage 3 intermediate demand goods. | | 9311 | -14.4 | -0.5 | -0.6 | -1.1 | -1.2 | -2.4 | |
| Slaughter cattle | 1 | 31 | 22.3 | 1.2 | -0.6 | 4.1 | 8.0 | -0.5 | |
| Slaughter hogs | 01 | 32 | -24.9 | -14.0 | -0.1 | -3.3 | -8.0 | -4.9 | |
| Slaughter poultry | 01 | 4 | -13.0 | -7.1 | 4.0 | 1.3 | -0.5 | -0.7 | |
| Raw milk | 01 | 6 | -21.3 | -2.9 | -5.3 | -3.3 | -3.8 | 4.8 | |
| Commercial electric power. | 05 | 42 | 10.2 | 2.1 | 1.7 | -2.6 | -0.1 | 1.8 | |
| Industrial electric power. | 05 | 43 | 7.8 | 7.0 | -3.9 | -0.5 | -1.7 | 1.5 | |
| Gasoline | 05 | 71 7203 | -28.5 -46.0 | 7.5 | 2.8 | -11.6 -6.1 | 8.6 | -13.8 -12.5 | |
| No. 2 diesel fuel. | 1 | 7203 | -46.0 -38.3 | 14.0 11.0 | -5.3 -4.6 | -6.1 -6.3 | -13.2 -3.7 | -12.5 -13.7 | |
| Finished lubricants ² | 1 | 76 | -36.3 14.1 | -0.5 | 0.3 | -6.3 0.1 | -3. <i>1</i> -0.9 | 0.1 | |
| Lubricating oil base stocks ² | 1 | 78 | -23.7 | -21.4 | 3.3 | -3.0 | 3.7 | -12.7 | |
| Asphalt | 1 | 8102 | -27.2 | 2.9 | -2.9 | 3.3 | 13.1 | 9.6 | |
| Basic inorganic chemicals ² | 1 | 13 | 6.0 | 2.0 | -0.2 | -0.4 | -1.6 | -1.2 | |
| Basic organic chemicals | | 14 | -16.7 | 0.8 | 0.6 | -3.9 | 0.1 | -2.1 | |
| Paints and allied products ² | 06 | 2 | 5.8 | -0.3 | -0.3 | 0.5 | 0.1 | 0.5 | |
| | | | | | | | | | |

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

[May 2023]

| Grouping | | nmodity ode | Unadjusted 12-month percent change ¹ | Seasonally adjusted 1-month percent change ¹ | | | | | |
|---|---------------|----------------|--|---|------------------------------|------------------------------|------------------------------|-----------------------------|--|
| | Group code | Item code | May 2022 to May 2023 ^p | Dec. to Jan. | Jan. to Feb. ^p | Feb. to Mar. ^p | Mar. to Apr. ^p | Apr. to May ^p | |
| Agricultural chemicals and chemical products | 06 | 5 | -21.3 | -3.0 | -3.2 | -4.1 | -2.8 | -2.8 | |
| Plastic resins and materials | | 6 | -10.4 | -1.0 | 1.4 | 0.2 | 2.3 | -0.7 | |
| Synthetic rubber ² | | 1102 | -7.5 | -1.9 | -0.2 | -1.4 | 1.4 | -1.3 | |
| Unsupported plastic film, sheet, and other shapes ² | | 22 13 | -1.6 | -1.2 | -0.2 0.7 | -1.5 | 0.1 1.2 | -0.4 | |
| Paperboard ² | 09 | 14 | 3.7 0.0 | -0.3 -0.5 | -1.0 | -0.4 -0.9 | -1.0 | -1.9 -0.2 | |
| Converted paper and paperboard products ² | 09 | 15 | 5.5 | 0.2 | 0.1 | -0.5 | 0.0 | 0.3 | |
| Commercial printing ² | 09 | 47 | 6.7 | 1.4 | 0.1 | 0.4 | -0.3 | 0.0 | |
| Foundry and forge shop products ² | 10 | 15 | 2.2 | 1.5 | 0.6 | 0.1 | 1.0 | -0.2 | |
| Steel mill products ² | | 17 | -18.9 | -2.4 | 2.3 | 0.9 | 3.6 | 5.2 | |
| Nonferrous mill shapes ² | | 25 | -9.5 | 2.2 | 1.7 | -0.1 | -0.9 | -0.5 | |
| Nonferrous foundry shop products | | 28 | 3.4 | -0.3 | 0.8 | -0.3 | -0.4 | -0.1 | |
| Metal containers ² | | 3 | -1.8 | -1.8 | -0.3 | -0.3 | 0.2 | 0.3 | |
| Structural, architectural, and pre-engineered metal products Bolts, nuts, screws, rivets, and washers ² | | 74 | -4.9 | 1.0 | -0.4 | 0.5 | 0.0 | -0.6 | |
| Other miscellaneous metal products ² | | 81 89 | 7.4 3.9 | 1.0 0.2 | 1.6 0.9 | 0.4 -0.3 | 0.5 0.1 | 0.3 0.0 | |
| General purpose machinery and equipment. | | 4 | 8.6 | 0.2 | 0.3 | 0.6 | 0.1 | 0.6 | |
| Electrical machinery and equipment. | | 7 | 3.7 | 0.6 | 0.0 | 0.2 | 0.0 | -0.3 | |
| Construction sand, gravel, and crushed stone | | 21 | 10.7 | 3.5 | 0.9 | -0.1 | 0.0 | 0.1 | |
| Cement | 13 | 22 | 13.6 | 3.6 | 1.3 | 0.7 | -1.2 | 0.6 | |
| Motor vehicle parts ² | 14 | 12 | 2.4 | 0.4 | -0.1 | 0.3 | 0.2 | 0.1 | |
| Aircraft and aircraft equipment | 14 | 2 | 4.7 | 0.4 | 0.7 | 0.6 | 0.4 | 0.4 | |
| Stage 3 intermediate demand services | | 9312 | 2.2 | 0.9 | 0.1 | -0.4 | 0.8 | 0.1 | |
| Rail transportation of freight and mail ² | | 11 | 0.5 | 1.1 | -0.9 | -0.2 | -0.2 | -0.9 | |
| Courier, messenger, and U.S. postal services | | 16 31 | 5.1 -32.9 | 2.2 -5.2 | 0.1 | -0.4 | 0.1 | 0.1 | |
| Freight forwarding ² | | 3201 | -32.9 | -5.2 2.0 | -2.1 -0.1 | -6.4 -0.2 | -4.1 0.5 | -2.0 0.0 | |
| Warehousing, storage, and related services ² | | 1 | 12.0 | 2.8 | 2.9 | -0.2 | 0.0 | -3.8 | |
| Advertising space sales in periodicals, newspapers, directories, and mailing lists ² . | | 1 | 3.7 | 1.1 | 0.6 | 0.9 | 0.0 | 0.0 | |
| Wired telephone services ² | | | 4.4 | -0.1 | 0.0 | 0.9 | 0.8 | 0.6 | |
| Bundled wired telecommunications access services ² | | 5 | 8.5 | 4.2 | -0.4 | 1.3 | 0.0 | -1.4 | |
| Data processing and related services ² | | 1 | 0.7 | 0.2 | 0.4 | 0.3 | -0.1 | 0.1 | |
| Business loans (partial) | 39 | 11 | 80.7 | 8.7 | 10.8 | -5.8 | 2.8 | 3.2 | |
| Deposit services (partial) ² | | 2 | 19.1 | -1.9 | -2.1 | 4.5 | 0.5 | -1.1 | |
| Securities brokerage, dealing, investment advice, and related services ² | 40 | 1 | 28.9 | 0.3 | 4.5 | -0.3 | -0.4 | 3.2 | |
| Insurance. | 41 | 11 | 3.5 | 0.8 | 0.2 | 0.2 | 0.2 | 0.0 | |
| Nonresidential real estate rents ² | 43 45 | 11 | 1.6 5.9 | 1.7 1.6 | -4.2 1.0 | -1.7 0.3 | 2.6 0.2 | -0.3 -0.2 | |
| Accounting services (partial). | | 2 | 7.2 | 1.0 | 1.0 | 1.0 | 0.2 | 0.1 | |
| Architectural and engineering services. | | 3 | 3.7 | 0.0 | 0.4 | 0.0 | 0.7 | 0.2 | |
| Management, scientific, and technical consulting services | | 4 | 1.0 | 1.1 | -1.3 | 0.2 | 0.1 | 0.2 | |
| Advertising agency services ² | | 51 | 0.9 | 0.1 | 0.2 | 0.2 | 0.0 | 0.0 | |
| Staffing services | 46 | 3 | 1.1 | 0.0 | -0.2 | 0.6 | 0.9 | 0.2 | |
| Aircraft repair maintenance | | 4 | 4.5 | -0.5 | 1.8 | 0.7 | 0.4 | 0.2 | |
| Machinery and equipment parts and supplies wholesaling ² | | 1102 | 3.5 | 1.8 | -1.5 | 5.0 | -1.9 | -1.3 | |
| Building materials, paint, and hardware wholesaling | | 3 | -6.4 | -2.5 | -2.0 | -1.8 | 0.7 | -1.5 | |
| Metals, minerals, and ores wholesaling ² | | 5 | -5.5 3.3 | 15.0 4.0 | 2.1 -3.4 | 10.4 -2.3 | 2.1 2.7 | -0.3 -0.7 | |
| Paper and plastics products wholesaling ² | | 6 | 4.0 | -2.4 | 0.5 | 0.3 | 0.7 | 0.7 | |
| Food wholesaling ² | | 8101 | 10.1 | -0.5 | -1.0 | 0.9 | 4.6 | 2.8 | |
| Metal treatment services ² | 59 | 1 | 5.4 | 2.5 | 0.0 | 0.1 | 0.7 | 0.4 | |
| Stage 2 intermediate demand | ID5 | 2 | -9.8 | -0.9 | -1.4 | -2.5 | 1.3 | -1.4 | |
| Stage 2 intermediate demand goods. | | 9211 | -25.4 | -2.9 | -4.5 | -4.9 | 1.9 | -4.0 | |
| Corn | 01 | 2202 | -17.9 | -1.2 | -0.2 | -7.5 | 2.4 | -6.0 | |
| Oilseeds | | 83 | -12.3 | -4.9 | 0.6 | -4.2 | 0.5 | -1.2 | |
| Prepared animal feeds | 02 | 9 | -0.2 | -0.8 | -1.8 | 0.1 | -1.4 | -1.4 | |
| Coal | | 1 | 7.4 | 2.8 | 0.8 | -4.0 | 4.2 | 1.6 | |
| Natural gas ² | | 31 | -75.4 | -17.6 | -38.7 | -25.5 | -18.4 | -2.0 | |
| Liquefied petroleum gas ² | | 32 | -60.0 | 2.0 | 1.4 | -11.4 | -5.1 | -16.1 | |
| Crude petroleum ² | | 61 | -30.8 | -1.2 | 3.3 | -7.1 | 12.1 | -10.2 | |
| No. 2 diesel fuel | | 7303 | -38.3 -13.6 | 11.0 1.0 | -4.6 0.4 | -6.3 -3.3 | -3.7 -0.2 | -13.7 -1.9 | |
| Plastic resins and materials. | 06 | 6 | -13.6 | -1.0 | 1.4 | -3.3 0.2 | -0.2 2.3 | -1.9 -0.7 | |
| Plastic products ² | | 2 | -0.3 | -0.6 | -0.5 | -0.3 | 0.1 | -0.7 | |
| Logs, bolts, timber, pulpwood, and wood chips ² | 08 | 5 | -2.7 | -0.5 | -0.9 | -1.1 | -0.7 | -0.1 | |
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Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued

[May 2023]

| Page | Grouping | | nmodity ode | Unadjusted 12-month percent change ¹ | Seasonally adjusted 1-month percent change ¹ | | | | | |
|---|--|-----|----------------|--|---|------------------------------|------|------------------------------|------|--|
| Paperboard, excluding conquates paperboard* Omnescial printing* Omnesc | . • | | | to | | Jan. to Feb. ^p | | Mar. to Apr. ^p | | |
| Commercial printing | Paper ² | 09 | 13 | 3.7 | -0.3 | 0.7 | -0.4 | 1.2 | -1.9 | |
| Institution | | 1 | 1 | 1.3 | -0.4 | -1.0 | -0.1 | -0.7 | 0.0 | |
| Selection Improducts | | 1 | 1 | | | 0.1 | | | | |
| Bonderrous mill shapes* 10 25 9.5 2.2 1.7 0.1 0.9 0.5 | | | l | | | | | | | |
| Electrical machinery and equipment. | | 1 - | 1 | | | | | | | |
| Subgraph | · | 1 | 1 | | | | | | | |
| Slage 2 Informediate demand services. 05 8212 7.4 0.9 1.2 0.6 0.8 0.6 0.8 | | | | | | | | | | |
| Fail transportation of freight* and mail* | · | 1 | 1 | | | | | | | |
| Truck transportation or freight** 30 1602 4.0 4.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | | 1 | | | | | | | | |
| U.S. Postal Service** Courier and messenger services, except ali* 00 1602 4.0 -0.3 0.3 0.0 0.0 0.0 0.0 Air mail and package delivery services, except ali* 01 1603 -3.2 3.3 0.01 1.4 0.0 0.7 Air mail and package delivery services, except ali* 02 2 1.9 2.3 3.3 0.1 1.4 0.0 0.7 Air mail and package delivery services, except ali* 03 17 5.4 0.3 1.2 0.0 1.1 0.2 Airline passenger services 03 0 22 1.9 2.3 3.3 0.1 1.4 0.0 0.7 Airline passenger services 03 0 22 1.9 2.3 1.1 1.3 2.9 1.1 Arangement of treight and cargo* 13 13 13 32.9 5.2 2.1 6.4 4.4 2.0 Television advertising time sales. 03 21 20.0 1.9 7.8 2.9 2.8 1.13 Wineless eliceroniumcication services. 03 1 1 0.0 0.0 1.9 7.8 2.9 2.8 1.13 Wineless eliceroniumcication services. 04 1 0.0 0.0 0.0 0.0 0.0 0.0 Data processing and related services* 05 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Data processing and related services* 06 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Data processing and related services* 07 2 1.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Data processing and related services* 08 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Data processing and related services* 09 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Commissions from asias of insurance* 10 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Commissions from asias of insurance* 10 2 11 0.0 0.7 0.0 0.0 0.0 0.0 0.0 0.0 Commissions from asias of insurance* 10 2 10 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Commissions from asias of insurance* 10 2 10 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Commissions from asias of insurance* 10 2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Commissions from asias of insurance* 10 2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Commissions from asias of insurance* 10 2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Commissions from asias of insurance* 10 2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Commissions from asias of insurance* 10 2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Commissions from asias of insurance* 10 2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Commissions from asias of insurance* 10 2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Commissions from asias of insurance* 10 0.0 0.0 0.0 | | 1 | | | | | | | | |
| Air mail and package delivery services, excluding by USPS 30 1602 4.0 0.3 0.3 0.2 0.1 0.7 | | 1 | 1 | | | | | | | |
| Pipeline transportations | Courier and messenger services, except air | 30 | 1602 | 4.0 | -0.3 | 0.3 | | 0.1 | 0.7 | |
| Airline passenger services. 30 22 19 23 1.11 1.3 2.9 1.11 Airline passenger services. 31 31 32.9 5.2 2.1 6.4 4.1 1.20 Telewision advertising time sales. 36 21 2.09 1.19 7.6 2.9 2.8 1.6 Wireless loteonrumication services. 37 2 1.1 0.0 0.2 0.1 0.1 0.1 0.2 Data processing and related services. 38 1 0.7 0.2 0.4 0.3 0.1 0.1 Securities brokerage, dealing, investment advoice, and related services. 40 1 2.8 0.3 0.3 1.5 0.3 0.4 2.2 Portfolio management. 40 2 6.6 9.37 0.2 3.9 4.0 2.9 Portfolio management. 40 1 2.8 0.3 0.3 1.5 0.3 0.4 2.2 Portfolio management. 40 2 6.6 9.37 0.2 3.9 4.0 2.9 Portfolio management. 41 11 3.5 0.8 0.2 0.2 0.2 0.2 0.0 Commissions from sales of insurance. 41 11 1.0 0.7 0.0 0.0 0.0 0.0 0.0 Legal services. 45 1 5.9 1.6 1.0 0.7 0.0 0.0 0.0 0.0 Adventing services (parlai) Adventing agency services. 45 1 5.9 1.6 1.0 0.7 0.0 0.0 0.0 0.0 Adventing agency services. 45 1 0.9 1.1 1.3 0.2 0.1 0.2 Adventing agency services. 45 1 0.9 1.1 0.3 0.2 0.0 0.0 Stalffing services. 45 1 0.9 1.1 0.0 1.1 0.2 0.0 0.0 Stalffing services. 46 1 0.9 1.1 0.0 0.0 0.2 0.0 0.0 Stalffing services. 47 1 0.9 1.1 0.0 0.0 0.0 0.0 0.0 Stalffing services. 48 1 0.9 1.1 0.0 0.0 0.0 0.0 0.0 Stalffing services. 49 1 0.9 2.9 0.1 0.0 0.2 0.0 Stalffing services. 49 1 0.9 2.9 0.1 0.0 0.2 0.0 Stalffing services. 49 1 0.9 0.1 0.0 0.0 0.0 0.0 Stalffing services. 49 1 0.9 0.1 0.0 0.0 0.0 0.0 Stalffing services. 49 1 0.9 0.1 0.0 0.0 0.0 0.0 Stalffing services. 49 1 0.9 0.1 0.0 0.0 0.0 0.0 Stalffing services. 49 1 0.9 0.1 0.0 0.0 0.0 0.0 Stalffing services. 49 1 0.9 0.1 0.0 0.0 0.0 0.0 0.0 Stalffing services. 49 1 0.9 0.0 0.0 0.0 0.0 0.0 0.0 Stalffing services. 49 1 0.9 0.0 0.0 0.0 0.0 0.0 0.0 Stalffing services. 49 1 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Stalffing services. 49 1 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Stalffing services. 49 1 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | Air mail and package delivery services, excluding by USPS | 30 | 1603 | -3.2 | 3.3 | -0.1 | -1.4 | 0.0 | -0.7 | |
| Arrangement of freight and cargo*. 31 31 4229 5.2 2.1 6.4 4.1 2.0 Television advertising time seles. 36 21 209 1.19 -76 2.9 2.8 1.1 0.0 Wireless telecommunication services. 37 2 1.1 0.0 0.2 0.1 0.1 0.1 0.2 Dala processing and related services* 38 1 0.7 0.2 0.4 0.3 0.1 0.1 0.2 Securities brokarage, dealing, investment advise, and related services* 40 1 2.89 0.3 4.5 0.3 0.4 3.2 Portfolio management* 40 2 6.9 3.7 0.2 3.9 4.0 2.2 Investment banking* 40 31 4.1 0.3 2.1 1.5 1.1 1.5 Insurance. 41 11 13 5.0 8 0.2 0.2 0.2 0.2 0.2 10 0.0 Commissions from sales of insurance* 42 11 1.0 0.7 0.0 0.0 0.0 0.0 0.1 Legal services. 45 1 5.9 1.6 1.0 0.3 0.2 1.2 1.0 0.7 0.0 Acocurring services (partial). 45 2 7.2 1.2 1.2 1.2 1.0 0.7 0.1 Amanagement* 45 1 1.5 9.1 1.0 0.7 0.0 0.0 0.0 0.0 0.1 Amanagement* 45 1 0.5 1.6 1.0 0.3 0.2 0.2 Acocurring services (partial). 45 2 7.2 1.2 1.2 1.2 0.0 7 0.1 Amanagement* 45 1 0.9 0.1 1.1 1.3 0.2 0.1 0.2 Advertising agency services* 45 4 1.0 1.1 1.1 3.3 0.2 0.1 0.2 Advertising agency services* 46 3 1.1 0.0 0.2 0.6 0.9 0.2 Security quand services* 48 1 9.4 1.1 0.1 0.3 0.1 0.1 Traveler accommodation services. 49 1 2.2 0.0 0.0 Traveler accommodation services. 49 1 2.2 0.7 0.1 0.2 0.6 0.9 Traveler accommodation services. 57 1 8.9 0.2 0.2 0.0 0.0 Traveler accommodation services. 58 1 8.9 0.6 0.4 1.0 0.7 0.0 0.0 0.0 Traveler accommodation services. 59 1 8.9 0.2 0.7 0.4 0.4 0.0 0.9 Traveler accommodation services. 59 1 8.9 0.2 0.7 0.4 0.4 0.0 0.9 Traveler accommodation services. 59 1 8.9 0.6 0.4 1.0 0.7 0.1 0.2 Traveler accommodation services. 59 1 8.9 0.5 0.4 0.1 0.0 0.5 0.6 Traveler accommodation services. 59 1 8.9 0.6 0.4 0.0 0.9 0.0 Traveler accommodation services. 59 1 8.9 0.6 0.4 0.0 0.9 0.0 Traveler accommodation services. 59 1 8.9 0.6 0.4 0.0 0.9 0.0 0.0 Traveler accommodation services. 59 1 8.9 0.5 0.7 0.4 0.0 0.0 0.0 Traveler accommodation services. 59 1 8.9 0.7 0.9 0.0 0.0 0.0 0.0 Traveler accommodation services. 59 1 8.9 0.7 0.9 0.0 0.0 0.0 | Pipeline transportation ² | 30 | 17 | 5.4 | 0.3 | 1.2 | 0.0 | -1.1 | 0.2 | |
| Television advertising time sales. | Airline passenger services | 30 | 22 | 1.9 | 2.3 | -1.1 | 1.3 | -2.9 | -1.1 | |
| Wireless telecommunication services | | 1 | 1 | | | | | | | |
| Data processing and related services ² . 40 1 289 0.3 45 0.3 0.4 0.4 | • | 1 | 1 | | | | | | | |
| Securities brokerage, feeling, investment advice, and related services" 40 1 28.9 0.3 4.5 0.3 0.4 2.9 | | 1 | l | | | | | | | |
| Portfolio managemens* | | | l . | | | | | | | |
| Investment banking | | 1 | 1 | | | | | | | |
| Insurance | • | 1 | l | | | | | | | |
| Commissions from sales of insurances 42 | • | 1 | | | | | | | | |
| Accounting services (partial). | | 1 | l | | | | | | | |
| Management, scientific, and technical consulting services. | Legal services | 45 | 1 | 5.9 | 1.6 | 1.0 | 0.3 | 0.2 | -0.2 | |
| Advertising agency services ² | Accounting services (partial) | 45 | 2 | 7.2 | 1.2 | 1.2 | 1.0 | 0.7 | 0.1 | |
| Staffing services | | | 1 | 1.0 | 1.1 | -1.3 | 0.2 | 0.1 | 0.2 | |
| Securify guard services ² | | 1 | | | | | | | | |
| Janiforial services ² | | | _ | | | | | | | |
| Traveler accommodation services 53 1 6.9 5.4 3.1 6.2 1.0 -0.5 | | 1 | l ' | | | | | | | |
| Commercial and industrial machinery and equipment repair and maintenance. | | 1 | l ' | | | | | | | |
| maintenance. 55 1 8.9 -0.6 -0.4 1.0 1.4 0.4 Hardware and building materials and supplies retailing. 58 D -23.7 -0.5 -5.0 0.5 -2.6 -0.9 Stage 1 intermediate demand. ID5 91 -3.6 0.7 -0.4 -0.4 -0.0 -0.9 Stage 1 intermediate demand goods. ID5 9111 -8.4 0.8 -0.4 -1.0 -0.7 -1.8 Prepared animal feeds. 02 9 -0.2 -0.8 -1.8 0.1 -1.4 -1.4 Commercial electric power. 05 42 10.2 2.1 1.7 -2.6 -0.1 1.8 Industrial electric power. 05 43 7.8 7.0 -3.9 -0.5 -1.7 1.5 Commercial natural gas. 05 52 -16.1 11.9 -11.0 -9.8 -6.2 -6.7 Gasoline. 05 73 -7.8 -7.5 2.8 -11 | | 50 | ' | 0.5 | J.+ | 0.1 | 0.2 | 1.0 | 0.5 | |
| Stage 1 intermediate demand goods. | maintenance | 1 | l . | | | | | | | |
| Stage 1 intermediate demand goods. | Stage 1 intermediate demand | ID5 | 1 | -3.6 | 0.7 | -0.4 | -0.4 | 0.0 | -0.9 | |
| Commercial electric power. | · · | ID5 | 9111 | -8.4 | 0.8 | -0.4 | -1.0 | -0.7 | -1.8 | |
| Industrial electric power. | Prepared animal feeds | 02 | 9 | -0.2 | -0.8 | -1.8 | 0.1 | -1.4 | -1.4 | |
| Commercial natural gas | Commercial electric power | 05 | 42 | 10.2 | 2.1 | 1.7 | -2.6 | -0.1 | 1.8 | |
| Industrial natural gas | | | _ | | | | | | | |
| Gasoline 05 71 -28.5 7.5 2.8 -11.6 8.6 -13.8 No. 2 diesel fuel 05 7303 -38.3 11.0 -4.6 -6.3 -3.7 -13.7 Industrial chemicals 06 1 -13.6 1.0 0.4 -3.3 -0.2 -1.9 Prepared paint ² 06 21 4.5 0.1 0.1 -0.2 0.3 0.2 Plastic construction products ² 07 21 -1.6 -0.2 -1.1 0.1 -0.2 -0.7 Recyclable paper ² 09 12 -55.0 -3.7 7.4 -0.4 6.4 5.8 Paper ² 09 13 3.7 -0.3 0.7 -0.4 1.2 -1.9 Converted paper and paperboard products ² 09 15 5.5 0.2 0.1 -0.5 0.0 0.3 Iron and steel scrap. 10 12 -20.4 1.3 11.1 5.2 4.1 -8.0 < | | | l | | | | | | | |
| No. 2 diesel fuel | · · | 1 | | | | | | | | |
| Industrial chemicals | | | 1 | | | | | | | |
| Prepared paint ² | | 1 | | | | | | | | |
| Plastic construction products ² | | 1 | l | | | | | | | |
| Recyclable paper ² | | | l | | | | | | | |
| Converted paper and paperboard products² 09 15 5.5 0.2 0.1 -0.5 0.0 0.3 Iron and steel scrap. 10 12 -20.4 1.3 11.1 5.2 4.1 -8.0 Steel mill products² 10 17 -18.9 -2.4 2.3 0.9 3.6 5.2 Primary nonferrous metals² 10 22 -6.2 3.1 1.5 -5.2 0.9 4.4 Nonferrous scrap. 10 23 -16.5 -0.2 -3.3 -2.6 -0.4 2.0 Nonferrous wire and cable² 10 26 -2.9 2.8 -2.7 -0.8 -0.1 -1.7 Fabricated structural metal products 10 7 -1.8 0.4 -0.3 0.4 0.0 -0.5 General purpose machinery and equipment 11 4 8.6 0.8 0.3 0.6 0.9 0.6 Construction sand, gravel, and crushed stone 13 21 10.7 3.5 0.9 <td></td> <td></td> <td>12</td> <td>-55.0</td> <td>-3.7</td> <td>7.4</td> <td>-0.4</td> <td>6.4</td> <td>5.8</td> | | | 12 | -55.0 | -3.7 | 7.4 | -0.4 | 6.4 | 5.8 | |
| Iron and steel scrap. | | 09 | 13 | 3.7 | -0.3 | 0.7 | -0.4 | 1.2 | -1.9 | |
| Steel mill products². 10 17 -18.9 -2.4 2.3 0.9 3.6 5.2 Primary nonferrous metals². 10 22 -6.2 3.1 1.5 -5.2 0.9 4.4 Nonferrous scrap. 10 23 -16.5 -0.2 -3.3 -2.6 -0.4 2.0 Nonferrous wire and cable². 10 26 -2.9 2.8 -2.7 -0.8 -0.1 -1.7 Fabricated structural metal products. 10 7 -1.8 0.4 -0.3 0.4 0.0 -0.5 General purpose machinery and equipment. 11 4 8.6 0.8 0.3 0.6 0.9 0.6 Construction sand, gravel, and crushed stone. 13 21 10.7 3.5 0.9 -0.1 0.0 0.1 Stage 1 intermediate demand services. ID5 9112 1.7 0.7 -0.3 0.2 0.6 0.0 Truck transportation of freight². 30 12 -13.6 -2.2 -0.9 -1.6 -3.0 -2.1 Airline passenger services. | | 1 | l | | | | | | | |
| Primary nonferrous metals² 10 22 -6.2 3.1 1.5 -5.2 0.9 4.4 Nonferrous scrap. 10 23 -16.5 -0.2 -3.3 -2.6 -0.4 2.0 Nonferrous wire and cable². 10 26 -2.9 2.8 -2.7 -0.8 -0.1 -1.7 Fabricated structural metal products. 10 7 -1.8 0.4 -0.3 0.4 0.0 -0.5 General purpose machinery and equipment. 11 4 8.6 0.8 0.3 0.6 0.9 0.6 Construction sand, gravel, and crushed stone. 13 21 10.7 3.5 0.9 -0.1 0.0 0.1 Stage 1 intermediate demand services. ID5 9112 1.7 0.7 -0.3 0.2 0.6 0.0 Truck transportation of freight². 30 12 -13.6 -2.2 -0.9 -1.6 -3.0 -2.1 Airline passenger services. 30 22 1.9 2.3< | | 1 | l | | | | | | | |
| Nonferrous scrap. | | | 1 | | | | | | | |
| Nonferrous wire and cable ² | • | 1 | | | | | | | | |
| Fabricated structural metal products. 10 7 -1.8 0.4 -0.3 0.4 0.0 -0.5 General purpose machinery and equipment. 11 4 8.6 0.8 0.3 0.6 0.9 0.6 Construction sand, gravel, and crushed stone. 13 21 10.7 3.5 0.9 -0.1 0.0 0.1 Stage 1 intermediate demand services. ID5 9112 1.7 0.7 -0.3 0.2 0.6 0.0 Truck transportation of freight ² . 30 12 -13.6 -2.2 -0.9 -1.6 -3.0 -2.1 Airline passenger services. 30 22 1.9 2.3 -1.1 1.3 -2.9 -1.1 Advertising space sales in periodicals, newspapers, directories, and mailing lists ² . 36 1 3.7 1.1 0.6 0.9 0.0 0.0 Business wired telecommunication services ² . 37 12 3.7 -0.1 1.2 0.1 0.7 0.1 | · · · · · · · · · · · · · · · · · · · | 1 | 1 | | | | | | | |
| General purpose machinery and equipment 11 4 8.6 0.8 0.3 0.6 0.9 0.6 Construction sand, gravel, and crushed stone 13 21 10.7 3.5 0.9 -0.1 0.0 0.1 Stage 1 intermediate demand services ID5 9112 1.7 0.7 -0.3 0.2 0.6 0.0 Truck transportation of freight ² 30 12 -13.6 -2.2 -0.9 -1.6 -3.0 -2.1 Airline passenger services 30 22 1.9 2.3 -1.1 1.3 -2.9 -1.1 Advertising space sales in periodicals, newspapers, directories, and mailing lists ² 36 1 3.7 1.1 0.6 0.9 0.0 0.0 Business wired telecommunication services ² 37 12 3.7 -0.1 1.2 0.1 0.7 0.1 | | 1 | 1 | | | | | | | |
| Stage 1 intermediate demand services. ID5 9112 1.7 0.7 -0.3 0.2 0.6 0.0 Truck transportation of freight ² . 30 12 -13.6 -2.2 -0.9 -1.6 -3.0 -2.1 Airline passenger services. 30 22 1.9 2.3 -1.1 1.3 -2.9 -1.1 Advertising space sales in periodicals, newspapers, directories, and mailing lists ² . 36 1 3.7 1.1 0.6 0.9 0.0 0.0 Business wired telecommunication services ² . 37 12 3.7 -0.1 1.2 0.1 0.7 0.1 | · | 1 | l | | | | | | | |
| Truck transportation of freight ² 30 12 -13.6 -2.2 -0.9 -1.6 -3.0 -2.1 Airline passenger services 30 22 1.9 2.3 -1.1 1.3 -2.9 -1.1 Advertising space sales in periodicals, newspapers, directories, and mailing lists ² 36 1 3.7 1.1 0.6 0.9 0.0 0.0 Business wired telecommunication services ² 37 12 3.7 -0.1 1.2 0.1 0.7 0.1 | Construction sand, gravel, and crushed stone | 13 | 21 | 10.7 | 3.5 | 0.9 | -0.1 | 0.0 | 0.1 | |
| Airline passenger services. 30 22 1.9 2.3 -1.1 1.3 -2.9 -1.1 Advertising space sales in periodicals, newspapers, directories, and mailing lists ² . 36 1 3.7 1.1 0.6 0.9 0.0 0.0 Business wired telecommunication services ² . 37 12 3.7 -0.1 1.2 0.1 0.7 0.1 | | 1 | 1 | | | | | | | |
| Advertising space sales in periodicals, newspapers, directories, and mailing lists ² | | 1 | 1 | | | | | | | |
| Business wired telecommunication services ² | Advertising space sales in periodicals, newspapers, directories, and mailing | | | | | | | | | |
| | | | | | | | | | | |
| | | 1 | 1 | | | | | | | |

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

[May 2023]

| Grouping | Commodity code | | Unadjusted 12-month percent change ¹ | S | percent change | nge ¹ | | |
|---|----------------|--------------|--|-----------------|------------------------------|------------------------------|------------------------------|-----------------------------|
| | Group code | Item code | May 2022 to May 2023 ^p | Dec. to Jan. | Jan. to Feb. ^p | Feb. to Mar. ^p | Mar. to Apr. ^p | Apr. to May ^p |
| Bundled wired telecommunications access services ² | 37 | 5 | 8.5 | 4.2 | -0.4 | 1.3 | 0.0 | -1.4 |
| Business loans (partial) | 39 | 11 | 80.7 | 8.7 | 10.8 | -5.8 | 2.8 | 3.2 |
| Deposit services (partial) ² | 39 | 2 | 19.1 | -1.9 | -2.1 | 4.5 | 0.5 | -1.1 |
| Securities brokerage, dealing, investment advice, and related services ² | 40 | 1 | 28.9 | 0.3 | 4.5 | -0.3 | -0.4 | 3.2 |
| Portfolio management ² | | 2 | -6.9 | 3.7 | -0.2 | -3.9 | 4.0 | -2.9 |
| Investment banking ² | 40 | 3 | -4.1 | 0.3 | 2.1 | 1.5 | -1.1 | 1.5 |
| nsurance | 41 | 11 | 3.5 | 0.8 | 0.2 | 0.2 | 0.2 | 0.0 |
| Nonresidential real estate rents ² | 43 | 11 | 1.6 | 1.7 | -4.2 | -1.7 | 2.6 | -0.3 |
| Architectural and engineering services | 45 | 3 | 3.7 | 0.0 | 0.4 | 0.0 | 0.7 | 0.2 |
| Management consulting services | 45 | 41 | 1.0 | 1.1 | -1.3 | 0.2 | 0.1 | 0.2 |
| Waste collection | 50 | 1 | 12.7 | 1.3 | 1.6 | 1.1 | 1.1 | 0.7 |
| Traveler accommodation services | 53 | 11 | 6.9 | -5.4 | -3.1 | 6.2 | 1.0 | -0.5 |
| Commercial and industrial machinery and equipment repair and maintenance | | 1 | 8.9 | -0.6 | -0.4 | 1.0 | 1.4 | 0.4 |
| Machinery and equipment parts and supplies wholesaling ² | 57 | 1102 | 3.5 | 1.8 | -1.5 | 5.0 | -1.9 | -1.3 |
| Building materials, paint, and hardware wholesaling | 57 | 3 | -6.4 | -2.5 | -2.0 | -1.8 | 0.7 | -1.5 |
| Metals, minerals, and ores wholesaling ² | 57 | 4 | -5.5 | 15.0 | 2.1 | 10.4 | 2.1 | -0.3 |
| Chemicals and allied products wholesaling ² | | 5 | 3.3 | 4.0 | -3.4 | -2.3 | 2.7 | -0.7 |
| Paper and plastics products wholesaling ² | 57 | 6 | 4.0 | -2.4 | 0.5 | 0.3 | 0.7 | 0.7 |
| Hardware and building materials and supplies retailing | 58 | D | -23.7 | -0.5 | -5.0 | 0.5 | -2.6 | -0.3 |
| Mining services ² | 60 | 1 | 5.1 | 0.5 | 0.5 | 1.1 | -0.8 | -0.4 |

¹ 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.

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

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

 $^{^{\}rm 3}\,{\rm Trade}$ indexes measure changes in margins received by wholesalers and retailers.

p Preliminary

[&]quot;-" Data not available.

Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted [May 2023, Index base Nov. 2009=100, unless otherwise indicated]

| Ominal to | | Commodity code | | Seasonally adjusted index ¹ | | | | | |
|---|---------------|----------------|------------------|--|---------------------------|---------------------------|---------------------------|--------------------------|--|
| Grouping | index base | Group code | Item code | Jan. 2023 | Feb. 2023 ^p | Mar. 2023 ^p | Apr. 2023 ^p | May 2023 ^p | |
| Final Demand | | | | | | | | | |
| Final demand | | FD | 4 | 141.326 | 141.253 | 140.739 | 141.032 | 140.584 | |
| Final demand goods | | FD | 41 | 145.005 | 144.426 | 142.869 | 143.096 | 140.871 | |
| Final demand foods | | FD | 411 | 154.842 | 151.245 | 151.638 | 150.972 | 148.956 | |
| Finished consumer foods ² | 1 | FD | 4111 | 272.399 | 265.167 | 267.176 | 265.809 | 262.392 | |
| Finished consumer foods, crude | 00/82 | FD FD | 41113 41112 | 349.218 263.895 | 283.175 262.299 | 294.603 263.402 | 300.528 261.346 | 251.532 262.288 | |
| Government purchased foods. | 1 | FD | 4112 | 154.335 | 152.235 | 152.744 | 151.188 | 150.741 | |
| Foods for export. | | FD | 4113 | 159.896 | 157.894 | 154.856 | 155.040 | 151.973 | |
| Final demand energy. | 1 | FD | 412 | 153.549 | 152.339 | 143.144 | 144.274 | 134.411 | |
| Finished consumer energy goods ² | 00/82 | FD | 4121 | 237.226 | 237.203 | 221.519 | 226.859 | 211.849 | |
| Government purchased energy | | FD | 4122 | 173.424 | 167.816 | 159.667 | 152.444 | 140.376 | |
| Energy for export | | FD | 4123 | 149.450 | 143.830 | 140.634 | 133.554 | 124.177 | |
| Final demand goods less foods and energy | | FD | 413 | 139.699 | 140.161 | 140.445 | 140.639 | 140.741 | |
| Finished goods less foods and energy ² | 1 | FD | 4131 | 244.404 | 245.250 | 246.026 | 246.167 | 247.004 | |
| Finished consumer goods less foods and energy | 00/82 | FD | 41311 | 271.851 | 273.120 | 273.815 | 273.923 | 274.684 | |
| Nondurable consumer goods less foods and energy Durable consumer goods | 00/82 | FD FD | 413111 413112 | 350.804 190.495 | 353.149 190.803 | 354.203 191.161 | 354.746 190.905 | 355.890 191.306 | |
| Private capital equipment. | 00/82 | FD | 413112 | 209.620 | 210.057 | 210.870 | 211.034 | 211.901 | |
| Private capital equipment for manufacturing industries | 00/82 | FD | 413121 | 223.911 | 224.606 | 225.482 | 225.757 | 227.400 | |
| Private capital equipment for nonmanufacturing industries | 00/82 | FD | 413122 | 205.340 | 205.701 | 206.496 | 206.627 | 207.265 | |
| Government purchased goods, excluding foods and energy | | FD | 4132 | 136.298 | 136.533 | 136.482 | 136.455 | 136.276 | |
| Government purchased goods excluding foods, energy, and capital | | | | | | | | | |
| equipment | | FD | 41321 | 146.413 | 146.656 | 146.273 | 146.218 | 145.763 | |
| Government purchased capital equipment | | FD FD | 41322 | 121.659 | 121.882 | 122.229 | 122.236 | 122.390 | |
| Goods for export, excluding foods and energy Final demand services | | FD | 4133 42 | 137.115 138.439 | 137.603 138.589 | 137.711 138.519 | 138.169 138.867 | 137.709 139.193 | |
| Final demand trade services ³ | | FD | 423 | 151.282 | 150.990 | 150.109 | 150.955 | 152.502 | |
| Trade of finished goods ² | | FD | 4231 | 150.036 | 149.839 | 148.789 | 149.435 | 151.154 | |
| Trade of personal consumption goods | 1 | FD | 42311 | 150.022 | 149.905 | 148.516 | 149.307 | 151.121 | |
| Trade of private capital equipment | | FD | 42312 | 148.397 | 147.847 | 148.308 | 148.305 | 149.585 | |
| Trade of government purchased goods | | FD | 4232 | 158.605 | 158.125 | 157.472 | 160.208 | 160.844 | |
| Trade of government purchased goods, excluding capital equipment | | FD | 42321 | 162.949 | 162.180 | 161.973 | 166.181 | 166.316 | |
| Trade of government purchased capital equipment | | FD | 42322 | 150.592 | 150.552 | 149.237 | 149.746 | 151.127 | |
| Trade of exports | | FD | 4233 | 160.204 | 159.072 | 159.728 | 161.735 | 161.997 | |
| Final demand transportation and warehousing services | | FD FD | 422 | 155.624 | 154.422 | 153.340 | 149.641 | 147.477 | |
| Transportation of passengers for final demand Transportation of private passengers | | FD | 4221 42211 | 139.760 139.753 | 138.202 138.198 | 140.030 140.022 | 135.998 135.998 | 134.509 134.512 | |
| Transportation of government passengers | | FD | 42212 | 139.493 | 137.952 | 139.762 | 135.773 | 134.301 | |
| Transportation of passengers for export | | FD | 42213 | 139.801 | 138.228 | 140.070 | 136.004 | 134.502 | |
| Transportation and warehousing of goods for final demand | | FD | 4222 | 160.958 | 159.903 | 157.691 | 154.142 | 151.726 | |
| Transportation and warehousing of finished goods ² | | FD | 42221 | 159.565 | 158.389 | 156.107 | 152.328 | 149.759 | |
| Transportation and warehousing of personal consumption goods | | FD | 422211 | 159.877 | 158.733 | 156.487 | 152.770 | 150.250 | |
| Transportation and warehousing of private capital equipment | | FD | 422212 | 158.305 | 157.001 | 154.575 | 150.539 | 147.774 | |
| Transportation and warehousing of government purchased goods | | FD | 42222 | 158.480 | 157.921 | 156.023 | 152.927 | 150.455 | |
| Transportation and warehousing of exports | | FD | 42223 | 165.891 | 165.000 | 162.867 | 159.733 | 157.664 | |
| Final demand services less trade, transportation, and warehousing Finished services less trade, transportation, and warehousing ² | | FD FD | 421 4211 | 130.863 131.184 | 131.332 131.569 | 131.694 132.035 | 132.260 132.585 | 132.351 132.640 | |
| Finished consumer services less trade, transportation, and warehousing. | | FD | 42111 | 130.480 | 130.906 | 131.375 | 132.023 | 131.972 | |
| Private capital investment services less trade, transportation, and warehousing. | | FD | 42112 | 137.778 | 137.844 | 138.294 | 138.077 | 138.962 | |
| Government purchased services less trade, transportation, and warehousing | | FD | 4212 | 122.382 | 122.559 | 122.514 | 123.204 | 123.211 | |
| excl. capital investment. Government purchased capital investment services less trade, | | FD | 42121 | 122.924 | 123.066 | 123.020 | 123.796 | 123.780 | |
| transportation, and warehousing | 1 | FD | 42122 | 108.726 | 109.386 | 109.370 | 108.825 | 109.149 | |
| Services for export less trade, transportation, and warehousing | 1 | FD | 4213 | 136.719 | 138.749 | 138.057 | 138.726 | 139.444 | |
| Final demand construction. | 1 | FD | 43 | 176.527 | 176.569 | 176.804 | 176.326 | 176.602 | |
| Construction for private capital investment. | 1 | FD FD | 431 432 | 180.849 168.440 | 180.864 | 181.054 | 180.541 | 180.806 | |
| Construction for government | | FD | 432 | 100.440 | 168.539 | 168.871 | 168.467 | 168.766 | |
| Final demand less exports | | FD | 49101 | 138.876 | 138.780 | 138.260 | 138.584 | 138.187 | |
| Final demand less government. | 04/10 | FD | 49102 | 139.246 | 139.220 | 138.747 | 139.104 | 138.737 | |
| Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy ⁴ | 04/10 | FD | 49103 | 138.302 | 138.523 | 138.512 | 138.832 | 139.076 | |
| Final demand less foods and energy ⁴ | 04/10 | FD | 49104 | 137.989 | 138.201 | 138.214 | 138.505 | 138.779 | |
| Final demand less foods and food and nonalcoholic beverages for immediate | | | | | | | | | |
| consumption ⁴ | 04/10 | FD | 49105 | 138.874 | 139.000 | 138.386 | 138.758 | 138.338 | |

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

[May 2023, Index base Nov. 2009=100, unless otherwise indicated]

| [May 2023, Index base Nov. 2009=100, unless otherwise | Other Commodity code | | | Seasonally adjusted index ¹ | | | | | | |
|--|----------------------|---------------|----------------|--|------------------------|---------------------------|---------------------------|--------------------------|--|--|
| Grouping | index base | Group code | Item code | Jan. 2023 | Feb. 2023 ^p | Mar. 2023 ^p | Apr. 2023 ^p | May 2023 ^p | | |
| Final demand less foods ⁴ | 04/10 | FD | 49106 | 138.479 | 138.602 | 138.045 | 138.387 | 138.033 | | |
| Final demand less energy. | 04/10 | FD | 49107 | 138.691 | 138.689 | 138.723 | 138.960 | 139.105 | | |
| Final demand less trade services | 01/10 | FD | 49108 | 137.385 | 137.361 | 136.933 | 137.102 | 136.223 | | |
| Final demand less distributive services ⁵ | 01/10 | FD | 49109 | 136.540 | 136.560 | 136.208 | 136.535 | 135.721 | | |
| Final demand goods less energy | 01/10 | FD | 49111 | 141.505 | 141.081 | 141.386 | 141.391 | 141.032 | | |
| Final demand goods less foods | 04/10 | FD | 49112 | 139.811 | 139.874 | 137.945 | 138.353 | 136.133 | | |
| Final demand services less trade services. | 04/10 | FD | 49113 | 132.034 | 132.342 | 132.566 | 132.728 | 132.607 | | |
| Final demand distributive services ⁵ | 04/10 04/10 | FD FD | 49114 49115 | 149.716 144.861 | 149.312 144.362 | 148.245 143.031 | 148.397 143.223 | 149.303 142.328 | | |
| Final demand less foods, energy, and trade services ⁴ | 08/13 | FD | 49116 | 126.816 | 127.136 | 127.360 | 127.503 | 127.457 | | |
| Private and government purchased capital equipment. | 08/13 | FD | 49117 | 126.384 | 126.644 | 127.116 | 127.202 | 127.675 | | |
| Private and government purchased capital investment services | 08/13 | FD | 49118 | 132.119 | 131.922 | 132.139 | 131.835 | 132.608 | | |
| Total private and government purchased capital investment | 08/13 | FD | 49119 | 133.151 | 133.152 | 133.461 | 133.283 | 133.874 | | |
| Total finished ² | 01/10 | FD | 49201 | 139.697 | 139.653 | 139.168 | 139.578 | 139.271 | | |
| Total finished less foods, food and nonalcoholic beverages for immediate | | | | | | | | | | |
| consumption, and energy ^{2, 4} | | FD | 49202 | 137.592 | 137.773 | 137.819 | 138.098 | 138.495 | | |
| | 01/10 | FD | 49203 | 138.419 | 138.606 | 138.653 | 138.935 | 139.331 | | |
| Total finished less foods and food and nonalcoholic beverages for immediate consumption ^{2, 4} | 12/10 | FD | 49204 | 137.604 | 137.772 | 137.201 | 137.670 | 137.452 | | |
| Total finished less foods ^{2, 4} | 01/10 | FD | 49205 | 138.979 | 139.153 | 138.580 | 139.055 | 138.835 | | |
| Total finished less energy ² | 01/10 | FD | 49206 | 139.223 | 139.176 | 139.282 | 139.507 | 139.776 | | |
| Finished goods ² | | FD | 49207 | 257.800 | 256.759 | 253.408 | 254.634 | 250.365 | | |
| Finished goods less energy ² | 00/82 | FD | 49208 | 251.098 | 249.760 | 250.866 | 250.600 | 250.285 | | |
| Finished goods, excluding foods ^{2, 4} | 00/82 | FD | 49209 | 253.291 | 253.882 | 249.128 | 251.033 | 246.551 | | |
| Finished services ² | 01/10 | FD | 49210 | 136.877 | 137.013 | 136.983 | 137.322 | 137.705 | | |
| Private capital investment services. | 04/10 | FD | 49211 | 142.183 | 141.943 | 142.234 | 141.886 | 142.710 | | |
| Finished distributive services ^{2, 5} | 04/10 | FD | 49212 | 148.091 | 147.781 | 146.604 | 146.705 | 147.873 | | |
| Finished services less trade services ² . Finished services less distributive services ^{2, 5} . | 04/10 04/10 | FD FD | 49213 49214 | 131.782 130.516 | 132.042 | 132.390 | 132.615 | 132.501 | | |
| Total private capital investment (goods, services, and construction) | 04/10 | FD | 49214 | 141.048 | 130.855 141.022 | 131.348 141.381 | 131.794 141.184 | 131.814 141.844 | | |
| Finished goods plus finished distributive services ² | 04/10 | FD | 49216 | 145.816 | 145.365 | 143.831 | 144.233 | 143.563 | | |
| Total exports. | 04/10 | FD | 49301 | 140.196 | 140.274 | 139.859 | 139.915 | 139.193 | | |
| Goods for export. | 00/82 | FD | 49302 | 235.593 | 235.334 | 234.581 | 234.567 | 232.425 | | |
| Services for export. | 04/10 | FD | 49303 | 148.673 | 149.070 | 148.676 | 148.822 | 148.806 | | |
| Total government purchases | 04/10 | FD | 49401 | 137.709 | 137.104 | 136.220 | 135.723 | 134.427 | | |
| Government purchased goods | 00/82 | FD | 49402 | 240.218 | 237.728 | 234.372 | 231.041 | 225.742 | | |
| Government purchased services | 04/10 | FD | 49403 | 130.881 | 130.871 | 130.683 | 131.391 | 131.336 | | |
| Total government purchased capital investment (goods, services, construction) | 08/13 | FD | 49404 | 131.233 | 131.414 | 131.506 | 131.393 | 131.744 | | |
| Government purchases, defense | 05/15 | FD | 49405 | 124.403 | 123.677 | 123.114 | 121.604 | 120.164 | | |
| Government purchases, non-defense. | 05/15 | FD | 49406 | 132.139 | 131.608 | 130.663 | 130.663 | 129.554 | | |
| Personal consumption. | 01/10 | FD | 49501 | 139.305 | 139.257 | 138.580 | 139.128 | 138.600 | | |
| Personal consumption goods (finished consumer goods) | 00/82 00/82 | FD FD | 49502 49503 | 278.314 272.691 | 276.625 270.239 | 271.450 271.511 | 273.141 270.974 | 266.622 269.907 | | |
| Personal consumption goods less foods. | 00/82 | FD | 49503 | 278.873 | 279.557 | 271.311 | 274.339 | 266.546 | | |
| Personal consumption nondurable goods less foods. | 00/82 | FD | 49508 | 317.584 | 318.433 | 306.412 | 310.838 | 299.384 | | |
| Personal consumption services. | 04/10 | FD | 49505 | 135.544 | 135.738 | 135.658 | 136.102 | 136.415 | | |
| Personal consumption less trade services | | FD | 49506 | 136.047 | 136.015 | 135.518 | 136.005 | 134.896 | | |
| Personal consumption less distributive services ⁵ | | FD | 49507 | 135.423 | 135.431 | 134.995 | 135.632 | 134.571 | | |
| Personal consumption less foods and energy | | FD | 49510 | 127.035 | 127.260 | 127.227 | 127.605 | 127.905 | | |
| Personal consumption less foods, energy, and trade services ³ | | FD | 49511 | 123.589 | 123.914 | 124.258 | 124.530 | 124.416 | | |
| Personal consumption less foods, energy, and distributive services ⁵ | 04/14 | FD | 49512 | 123.099 | 123.486 | 123.936 | 124.370 | 124.351 | | |
| Personal consumption goods plus personal consumption distributive services ⁵ | 08/13 | FD | 49509 | 134.831 | 134.321 | 132.413 | 132.927 | 131.965 | | |
| Intermediate Demand by Commodity Type | | | | | | | | | | |
| Processed goods | | | | | | | | | | |
| Processed goods for intermediate demand | | ID6 | 1 | 264.488 | 263.471 | 260.823 | 259.574 | 255.622 | | |
| Materials and components for manufacturing | 00/82 | ID6 | 11 | 236.983 | 237.020 | 235.888 | 236.594 | 236.109 | | |
| Materials for manufacturing | 05 /- 1 | ID6 | 111 | 149.277 | 149.089 | 147.792 | 148.289 | 147.845 | | |
| Materials for food manufacturing | 00/82 | ID6 | 1111 | 260.918 | 254.712 | 254.696 | 251.921 | 245.821 | | |
| Materials for nondurable manufacturing. | 00/82 | ID6 | 1112 | 279.658 | 278.938 | 273.834 | 273.740 | 269.995 | | |
| Materials for durable manufacturing. | 00/82 | ID6 | 1113 | 278.869 | 281.705 | 281.457 | 285.319 187.657 | 290.491 187.567 | | |
| Components for manufacturing. | 00/82 | ID6 ID6 | 112 | 186.393 | 186.869 | 187.211 | 187.657 | 187.567 | | |
| Components for nondurable manufacturing | | ID6 | 1121 1122 | 147.368 131.437 | 147.529 131.783 | 147.030 132.059 | 147.306 132.377 | 146.926 132.328 | | |
| Materials and components for construction. | 00/82 | ID6 | 122 | 349.391 | 349.132 | 350.556 | 350.880 | 350.464 | | |
| Materials for construction. | 00,02 | ID6 | 121 | 165.520 | 165.644 | 165.776 | 165.950 | 165.899 | | |
| Components for construction. | | ID6 | 122 | 178.161 | 177.820 | 179.005 | 179.153 | 178.817 | | |
| Processed fuels and lubricants for intermediate demand | 00/82 | ID6 | 13 | 274.432 | 270.082 | 259.614 | 252.322 | 234.988 | | |
| Processed fuels and lubricants to manufacturing industries | 00/82 | ID6 | 131 | 279.615 | 270.083 | 268.647 | 257.064 | 244.965 | | |
| | | | | | | | | | | |

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

[May 2023, Index base Nov. 2009=100, unless otherwise indicated]

| [May 2023, Index base Nov. 2009=100, unless otherwise | indica | ated] | | | | | | | |
|---|---------------|------------|--------------|--|---------------------------|---------------------------|---------------------------|--------------------------|--|
| | Other | | | Seasonally adjusted index ¹ | | | | | |
| Grouping | index base | Group code | Item code | Jan. 2023 | Feb. 2023 ^p | Mar. 2023 ^p | Apr. 2023 ^p | May 2023 ^p | |
| Processed fuels and lubricants to nonmanufacturing industries | 00/82 | ID6 | 132 | 273.115 | 270.401 | 257.060 | 251.119 | 232.107 | |
| Containers for intermediate demand | 00/82 | ID6 | 14 | 314.548 | 313.548 | 310.933 | 310.342 | 311.438 | |
| Supplies for intermediate demand | 00/82 | ID6 | 15 | 253.558 | 253.112 | 252.941 | 252.462 | 251.582 | |
| Supplies to manufacturing industries | 00/82 | ID6 | 151 | 247.301 | 247.463 | 247.516 | 247.651 | 247.109 | |
| Supplies to nonmanufacturing industries | 00/82 | ID6 | 152 | 252.517 | 251.980 | 251.776 | 251.205 | 250.280 | |
| Supplies to nonmanufacturing industries, feeds | 00/82 | ID6 | 1521 | 254.135 | 248.542 | 245.403 | 241.584 | 236.831 | |
| Supplies to nonmanufacturing industries, other than feeds | 00/82 | ID6 | 1522 | 254.339 | 254.455 | 254.630 | 254.477 | 254.041 | |
| Unprocessed goods | 00/00 | IDe | | 000 004 | 060 060 | 0EE 04E | 050.075 | 047 405 | |
| Unprocessed goods for intermediate demand | 00/82 | ID6 ID6 | 21 | 282.034 241.081 | 268.262 238.617 | 255.845 237.061 | 259.975 233.435 | 247.425 226.361 | |
| Unprocessed nonfood materials. | I | ID6 | 22 | 299.565 | 278.141 | 258.340 | 267.951 | 251.953 | |
| Unprocessed nonfood materials except fuel. | 00/82 | ID6 | 221 | 330.164 | 336.257 | 322.879 | 344.852 | 321.216 | |
| Unprocessed nonfood materials except fuel to manufacturing industries | 00/82 | ID6 | 2211 | 305.769 | 311.558 | 298.566 | 319.889 | 296.937 | |
| Unprocessed nonfood materials except fuel to nonmanufacturing | | | | | | | | | |
| industries | 00/82 | ID6 | 2212 | 342.839 | 345.782 | 345.850 | 346.134 | 346.186 | |
| Unprocessed fuel | 00/82 | ID6 | 222 | 227.395 | 154.971 | 123.973 | 109.752 | 108.959 | |
| Unprocessed fuel to manufacturing industries | 00/82 | ID6 | 2221 | 263.510 | 237.722 | 218.889 | 220.815 | 223.413 | |
| Unprocessed fuel to nonmanufacturing industries | 00/82 | ID6 | 2222 | 231.846 | 154.728 | 122.160 | 106.624 | 105.617 | |
| Services Services | | IDe | , | 144.005 | 144.601 | 1// 005 | 145.010 | 145 557 | |
| Services for intermediate demand | | ID6 ID6 | 3 | 144.295 170.039 | 144.601 168.622 | 144.265 170.142 | 145.313 172.796 | 145.557 173.139 | |
| Trade services for manufacturing industries. | 12/12 | ID6 | 331 | 156.157 | 154.816 | 157.791 | 160.094 | 160.107 | |
| Trade services for manufacturing industries. | I | ID6 | 332 | 150.157 | 149.329 | 149.170 | 151.647 | 152.239 | |
| Transportation and warehousing services for intermediate demand | 12/12 | ID6 | 32 | 157.878 | 157.876 | 156.452 | 151.047 | 153.359 | |
| Transportation of passengers for intermediate demand | | ID6 | 321 | 139.555 | 138.015 | 139.824 | 135.836 | 134.365 | |
| Transportation of passengers for manufacturing industries | | ID6 | 3211 | 139.775 | 138.203 | 140.044 | 135.981 | 134.479 | |
| Transportation of passengers for manufacturing industries | | ID6 | 3212 | 139.590 | 138.054 | 139.859 | 135.880 | 134.412 | |
| Transportation and warehousing of goods for intermediate demand | | ID6 | 322 | 159.919 | 160.061 | 158.332 | 156.793 | 155.454 | |
| Transportation and warehousing of goods for manufacturing industries | 12/12 | ID6 | 3221 | 134.184 | 133.727 | 132.257 | 129.973 | 128.575 | |
| Transportation and warehousing of goods for nonmanufacturing industries. | 12/12 | ID6 | 3222 | 142.480 | 142.773 | 141.239 | 140.155 | 139.042 | |
| Services less trade, transportation, and warehousing for intermediate demand. | | ID6 | 31 | 134.903 | 135.631 | 135.102 | 136.310 | 136.822 | |
| Services less trade, transportation, and warehousing for manufacturing industries. | | ID6 | 311 | 126.515 | 126.904 | 127.149 | 127.812 | 127.997 | |
| Services less trade, transportation, and warehousing for nonmanufacturing industries. | | ID6 | 312 | 135.170 | 135.910 | 135.355 | 136.581 | 137.104 | |
| Construction | | IDO | _ | 1.40.400 | 110 751 | 1.10.000 | 444.400 | 1 10 000 | |
| Construction for intermediate demand. | | ID6 | 4 | 142.462 | 142.751 | 143.362 | 144.436 | 146.922 | |
| Intermediate Demand by Commodity Type Special Groupings Processed materials less foods and feeds | 00/82 | ID6 | 9111 | 265.430 | 264.851 | 261.983 | 260.901 | 257.036 | |
| Processed foods and feeds. | 00/82 | ID6 | 9112 | 255.542 | 250.250 | 249.745 | 246.876 | 242.070 | |
| Processed energy goods. | I | ID6 | 9113 | 275.706 | 271.336 | 260.819 | 253.493 | 236.079 | |
| Processed materials less energy. | 00/82 | ID6 | 9118 | 258.525 | 258.355 | 257.696 | 257.975 | 257.420 | |
| Processed materials less foods and energy. | I | ID6 | 9115 | 258.409 | 258.901 | 258.223 | 258.908 | 258.902 | |
| Intermediate distributive services ⁶ | | ID6 | 9116 | 163.221 | 162.500 | 162.589 | 163.385 | 162.994 | |
| Processed goods plus intermediate distributive services | | ID6 | 9117 | 149.019 | 148.421 | 147.394 | 147.114 | 145.440 | |
| Unprocessed materials less agricultural products | 00/82 | ID6 | 9211 | 301.737 | 278.498 | 258.769 | 269.064 | 252.758 | |
| Unprocessed energy materials ⁷ | | ID6 | 9212 | 240.250 | 213.987 | 190.329 | 200.617 | 184.975 | |
| Unprocessed materials less energy. | 00/82 | ID6 | 9213 | 296.024 | 294.515 | 292.694 | 291.623 | 282.486 | |
| Unprocessed nonfood materials less energy ⁸ | 00/82 | ID6 | 9216 | 459.408 | 460.913 | 458.313 | 465.229 | 449.924 | |
| Intermediate Demand by Production Flow | | | | | | | | | |
| Stage 4 Intermediate Demand | | ID5 | 4 | 1/17 750 | 1/17 719 | 1/17 364 | 1/17 016 | 1/17 500 | |
| Stage 4 intermediate demand | | ID5 | 4 41 | 147.752 146.370 | 147.713 146.123 | 147.364 146.593 | 147.916 146.735 | 147.583 146.435 | |
| Goods | | ID5 | 411 | 140.691 | 140.734 | 140.305 | 140.735 | 139.940 | |
| Foods | | ID5 | 4111 | 157.912 | 156.004 | 152.663 | 152.214 | 149.039 | |
| Energy | | ID5 | 4112 | 168.881 | 167.732 | 178.345 | 152.986 | 136.964 | |
| Goods excluding foods and energy | | ID5 | 4113 | 137.901 | 138.254 | 138.170 | 138.400 | 138.683 | |
| Services | | ID5 | 412 | 165.274 | 164.059 | 167.523 | 168.347 | 168.055 | |
| Trade services | | ID5 | 4123 | 176.411 | 174.642 | 179.630 | 180.824 | 180.543 | |
| Transportation and warehousing services | | ID5 | 4122 | 139.949 | 138.894 | 138.046 | 136.001 | 134.369 | |
| Transportation of passengers | | ID5 | 41221 | 139.800 | 138.227 | 140.070 | 136.004 | 134.501 | |
| Transportation and warehousing of goods | | ID5 | 41222 | 149.245 | 148.222 | 146.791 | 145.006 | 143.241 | |
| Services less trade, transportation, and warehousing | | ID5 | 4121 | 127.758 | 128.169 | 128.359 | 128.959 | 129.078 | |
| Inputs to stage 4 services producers | | ID5 | 42 | 144.370 | 144.438 | 143.642 | 144.389 | 144.313 | |
| | | | | | | | | | |

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

[May 2023, Index base Nov. 2009=100, unless otherwise indicated]

| May 2023, Index base Nov. 2009=100, unless otherwise | | Commodity code | | Seasonally adjusted index ¹ | | | | | |
|--|---------------|----------------|---------------|--|---------------------------|---------------------------|---------------------------|--------------------------|--|
| Grouping | index base | Group code | Item code | Jan. 2023 | Feb. 2023 ^p | Mar. 2023 ^p | Apr. 2023 ^p | May 2023 ^p | |
| Goods | | ID5 | 421 | 148.624 | 147.906 | 146.769 | 145.690 | 144.650 | |
| Foods | | ID5 | 4211 | 150.817 | 148.379 | 148.583 | 146.469 | 145.038 | |
| Energy | | ID5 | 4212 | 148.272 | 147.174 | 143.170 | 141.133 | 138.729 | |
| Goods excluding foods and energy | | ID5 | 4213 | 147.272 | 147.312 | 147.447 | 147.255 | 147.142 | |
| Services | | ID5 | 422 | 142.738 | 143.068 | 142.384 | 143.738 | 143.980 | |
| Trade services. | | ID5 | 4223 | 159.575 | 158.052 | 158.939 | 161.432 | 161.427 | |
| Transportation and warehousing services | | ID5 | 4222 | 151.790 | 152.470 | 151.781 | 150.641 | 148.561 | |
| Transportation of passengers | | ID5 | 42221 | 139.238 | 137.681 | 139.507 | 135.479 | 133.992 | |
| Transportation and warehousing of goods | | ID5 | 42222 | 154.557 | 155.619 | 154.501 | 153.845 | 151.657 | |
| Services less trade, transportation, and warehousing | | ID5 | 4221 | 138.973 | 139.461 | 138.616 | 140.099 | 140.608 | |
| Construction. | | ID5 | 423 | 142.462 | 142.751 | 143.362 | 144.436 | 146.922 | |
| Inputs to stage 4 construction producers. | | ID5 | 43 | 162.425 | 162.410 | 162.096 | 162.745 | 161.266 | |
| , | | ID5 | 431 | 166.799 | 166.992 | 166.347 | 166.964 | 165.166 | |
| Goods | | | 1 | I | | | | | |
| Energy | | ID5 | 4312 | 169.365 | 170.120 | 156.959 | 162.455 | 143.227 | |
| Goods excluding foods and energy | | ID5 | 4313 | 170.362 | 170.504 | 171.102 | 171.243 | 171.156 | |
| Services | | ID5 | 432 | 151.180 | 150.648 | 151.157 | 151.883 | 151.203 | |
| Trade services | | ID5 | 4323 | 169.018 | 167.814 | 169.956 | 172.419 | 171.493 | |
| Transportation and warehousing services | | ID5 | 4322 | 154.276 | 152.954 | 150.844 | 147.184 | 144.502 | |
| Transportation of passengers | | ID5 | 43221 | 145.718 | 144.082 | 145.999 | 141.769 | 140.205 | |
| Transportation and warehousing of goods | | ID5 | 43222 | 155.302 | 153.980 | 151.762 | 148.096 | 145.373 | |
| Services less trade, transportation, and warehousing | | ID5 | 4321 | 129.395 | 129.742 | 129.860 | 130.767 | 131.075 | |
| Stage 3 Intermediate Demand | | | | | | | | | |
| Stage 3 intermediate demand | | ID5 | 3 | 149.329 | 148.923 | 147.866 | 147.664 | 146.152 | |
| Inputs to stage 3 goods producers | | ID5 | 31 | 160.316 | 159.940 | 159.704 | 159.149 | 157.686 | |
| Goods. | | ID5 | 311 | 156.404 | 156.126 | 155.563 | 154.660 | 152.981 | |
| Foods. | | ID5 | 3111 | 178.849 | 175.729 | 175.452 | 171.523 | 165.981 | |
| Energy | | ID5 | 3112 | 152.950 | 149.409 | 153.144 | 143.931 | 135.796 | |
| Goods excluding foods and energy. | | ID5 | 3113 | 151.397 | 152.518 | 151.566 | 152.418 | 152.722 | |
| Services | | ID5 | 312 | 164.625 | 163.897 | 164.932 | 165.753 | 165.220 | |
| | | ID5 | 3123 | 170.540 | 169.692 | 172.665 | 175.899 | 176.084 | |
| Trade services. | | ID5 | 3123 | 155.595 | | 152.667 | 149.408 | 147.238 | |
| Transportation and warehousing services. | | | 1 | | 154.477 | | | | |
| Transportation of passengers | | ID5 | 31221 | 148.845 | 147.171 | 149.132 | 144.805 | 143.206 | |
| Transportation and warehousing of goods | | ID5 | 31222 | 155.749 | 154.662 | 152.647 | 149.451 | 147.253 | |
| Services less trade, transportation, and warehousing | | ID5 | 3121 | 131.472 | 131.942 | 132.183 | 133.070 | 133.472 | |
| Inputs to stage 3 services producers | | ID5 | 32 | 140.157 | 139.760 | 138.103 | 138.163 | 136.607 | |
| Goods | | ID5 | 321 | 140.221 | 137.190 | 132.379 | 128.225 | 119.448 | |
| Foods | | ID5 | 3211 | 165.560 | 162.682 | 161.088 | 156.817 | 157.507 | |
| Energy | | ID5 | 3212 | 148.762 | 143.682 | 136.011 | 129.298 | 115.210 | |
| Goods excluding foods and energy | | ID5 | 3213 | 136.635 | 136.825 | 136.409 | 136.255 | 135.582 | |
| Services | | ID5 | 322 | 140.020 | 140.309 | 139.453 | 140.609 | 140.902 | |
| Trade services | | ID5 | 3223 | 190.038 | 190.402 | 188.078 | 193.406 | 193.807 | |
| Transportation and warehousing services | | ID5 | 3222 | 162.936 | 163.384 | 161.603 | 160.813 | 159.964 | |
| Transportation of passengers | | ID5 | 32221 | 104.459 | 104.455 | 104.637 | 104.374 | 104.373 | |
| Transportation and warehousing of goods | | ID5 | 32222 | 163.440 | 163.890 | 162.100 | 161.306 | 160.453 | |
| Services less trade, transportation, and warehousing | | ID5 | 3221 | 131.216 | 131.458 | 130.941 | 132.385 | 132.985 | |
| Construction | | ID5 | 323 | 142.462 | 142.751 | 143.362 | 144.436 | 146.922 | |
| Inputs to stage 3 construction producers | | ID5 | 33 | 139.955 | 138.289 | 138.164 | 137.678 | 137.258 | |
| Goods. | | ID5 | 331 | 135.156 | 134.933 | 134.384 | 134.159 | 133.797 | |
| Goods excluding foods and energy. | | ID5 | 3313 | 172.221 | 171.936 | 171.237 | 170.950 | 170.489 | |
| Services | | ID5 | 332 | 164.226 | 160.617 | 160.982 | 160.119 | 159.573 | |
| Trade services. | | ID5 | 3323 | 168.815 | 164.801 | 165.254 | 164.241 | 163.605 | |
| Transportation and warehousing services. | | ID5 | 3322 | 115.819 | 115.475 | 114.368 | 114.123 | 113.989 | |
| | | | 1 | I | | | 120.461 | | |
| Transportation and warehousing of goods. | | ID5 ID5 | 33222 3321 | 122.251 | 121.888 | 120.720 | | 120.320 | |
| Services less trade, transportation, and warehousing | | פטו | 3321 | 124.402 | 124.417 | 124.438 | 125.237 | 125.656 | |
| Stage 2 Intermediate Demand | | | | | | | | | |
| Stage 2 intermediate demand | | ID5 | 2 | 139.636 | 137.687 | 134.240 | 135.928 | 134.054 | |
| Inputs to stage 2 goods producers | | ID5 | 21 | 132.967 | 128.041 | 122.775 | 125.107 | 121.341 | |
| Goods | | ID5 | 211 | 132.457 | 125.711 | 118.758 | 121.328 | 115.965 | |
| Foods | | ID5 | 2111 | 171.173 | 169.828 | 164.917 | 164.231 | 160.765 | |
| Energy | | ID5 | 2112 | 106.496 | 95.500 | 84.975 | 88.948 | 81.539 | |
| Goods excluding foods and energy | | ID5 | 2113 | 147.020 | 147.484 | 147.401 | 147.890 | 146.508 | |
| Services | | ID5 | 212 | 147.925 | 148.434 | 148.112 | 149.916 | 150.941 | |
| Trade services. | | ID5 | 2123 | 165.194 | 163.559 | 163.949 | 169.049 | 171.331 | |
| Transportation and warehousing services. | | ID5 | 2123 | 167.761 | 168.703 | 168.015 | 166.685 | 166.632 | |
| · | | | 1 | I | | | | | |
| Transportation and warehousing of goods | | ID5 | 21221 | 140.016 | 138.514 | 140.285 | 136.386 | 134.951 | |
| Transportation and warehousing of goods | 1 | ID5 | 21222 | 169.426 | 170.488 | 169.680 | 168.473 | 168.486 | |
| | | | | | | | | | |
| Services less trade, transportation, and warehousing Construction | | ID5 ID5 | 2121 213 | 133.188 142.462 | 135.816 142.751 | 134.983 143.362 | 136.394 144.436 | 137.211 146.922 | |

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

[May 2023, Index base Nov. 2009=100, unless otherwise indicated]

| [May 2023, Index base Nov. 2009=100, unless otherwise | | Con | nmodity | Seasonally adjusted index ¹ | | | | | |
|---|------------------|---------------|--------------|--|---------------------------|---------------------------|---------------------------|--------------------------|--|
| Grouping | Other index base | Group | Item code | Jan. 2023 | Feb. 2023 ^p | Mar. 2023 ^p | Apr. 2023 ^p | May 2023 ^p | |
| Inputs to stage 2 services producers | | ID5 | 22 | 143.055 | 144.849 | 143.770 | 144.604 | 145.133 | |
| Goods | | ID5 | 221 | 147.452 | 147.050 | 146.127 | 145.736 | 144.194 | |
| Foods | | ID5 | 2211 | 128.745 | 125.845 | 122.376 | 121.206 | 118.746 | |
| Energy | | ID5 | 2212 | 183.039 | 180.143 | 167.983 | 163.751 | 143.752 | |
| Goods excluding foods and energy | | ID5 | 2213 | 145.677 | 145.472 | 145.320 | 145.191 | 144.873 | |
| Services | | ID5 | 222 | 142.111 | 144.204 | 143.071 | 144.048 | 144.786 | |
| Trade services | | ID5 | 2223 | 183.820 | 182.551 | 175.978 | 177.731 | 182.945 | |
| Transportation and warehousing services | | ID5 | 2222 | 153.007 | 151.760 | 148.367 | 145.694 | 144.416 | |
| Transportation and warehousing of goods | | ID5 ID5 | 22221 | 140.205 155.964 | 138.639 | 140.475 150.403 | 136.426 147.972 | 134.930 | |
| Transportation and warehousing of goods | | ID5 | 22222 | 140.205 | 154.771 142.714 | 141.996 | 147.972 | 146.730 143.896 | |
| Construction | | ID5 | 223 | 142.462 | 142.751 | 143.362 | 144.436 | 146.922 | |
| | | | | | | | | | |
| Stage 1 Intermediate Demand Stage 1 intermediate demand | | ID5 | 1 | 146.835 | 146.285 | 145.668 | 145.608 | 144.283 | |
| Inputs to stage 1 goods producers. | | ID5 | 11 | 149.369 | 149.051 | 147.992 | 147.610 | 145.794 | |
| Goods | | ID5 | 111 | 149.033 | 148.827 | 147.023 | 145.828 | 143.461 | |
| Foods. | | ID5 | 1111 | 170.412 | 168.924 | 161.489 | 160.203 | 155.291 | |
| Energy | | ID5 | 1112 | 143.572 | 141.333 | 140.313 | 130.350 | 120.458 | |
| Goods excluding foods and energy | | ID5 | 1113 | 150.537 | 151.033 | 149.951 | 150.854 | 150.672 | |
| Services | | ID5 | 112 | 154.126 | 153.480 | 154.542 | 156.493 | 156.221 | |
| Trade services | | ID5 | 1123 | 170.092 | 168.398 | 170.550 | 173.874 | 173.514 | |
| Transportation and warehousing services | | ID5 | 1122 | 157.830 | 158.885 | 156.669 | 155.381 | 156.701 | |
| Transportation of passengers | | ID5 | 11221 | 139.773 | 138.200 | 140.043 | 135.978 | 134.475 | |
| Transportation and warehousing of goods | | ID5 | 11222 | 160.506 | 162.203 | 159.004 | 158.421 | 160.427 | |
| Services less trade, transportation, and warehousing | | ID5 | 1121 | 108.469 | 108.955 | 108.991 | 109.417 | 109.069 | |
| Construction. | | ID5 | 113 | 142.462 | 142.751 | 143.362 | 144.436 | 146.922 | |
| Inputs to stage 1 services producers | | ID5 | 12 | 144.311 | 143.771 | 143.277 | 143.561 | 142.626 | |
| Goods. | | ID5 ID5 | 121 | 150.786 | 149.554 | 147.805 | 146.887 | 143.226 | |
| Foods Energy | | ID5 | 1211 1212 | 223.778 171.486 | 187.329 167.818 | 199.008 161.810 | 204.983 157.925 | 150.432 146.969 | |
| Goods excluding foods and energy. | | ID5 | 1213 | 148.784 | 148.877 | 148.951 | 149.336 | 149.268 | |
| Services | | ID5 | 122 | 140.922 | 140.675 | 140.711 | 141.500 | 141.715 | |
| Trade services. | | ID5 | 1223 | 169.220 | 169.316 | 169.622 | 171.818 | 171.976 | |
| Transportation and warehousing services | | ID5 | 1222 | 145.186 | 144.611 | 144.363 | 142.241 | 141.123 | |
| Transportation of passengers | | ID5 | 12221 | 139.689 | 138.118 | 139.959 | 135.896 | 134.395 | |
| Transportation and warehousing of goods | | ID5 | 12222 | 163.603 | 163.492 | 162.118 | 160.791 | 159.755 | |
| Services less trade, transportation, and warehousing | | ID5 | 1221 | 135.895 | 135.664 | 135.714 | 136.768 | 137.176 | |
| Construction. | | ID5 | 123 | 142.462 | 142.751 | 143.362 | 144.436 | 146.922 | |
| Inputs to stage 1 construction producers | | ID5 | 13 | 163.124 | 161.818 | 161.827 | 161.052 | 159.171 | |
| Goods | | ID5 | 131 | 165.279 | 164.559 | 164.399 | 163.693 | 161.626 | |
| Energy | | ID5 | 1312 | 164.819 | 158.517 | 152.442 | 144.560 | 125.768 | |
| Goods excluding foods and energy. | | ID5 | 1313 | 168.028 | 167.971 156.125 | 168.523 | 168.671 | 168.590 | |
| Services | | ID5 ID5 | 132 1323 | 158.876 165.458 | 162.037 | 156.547 163.441 | 155.598 163.457 | 154.164 162.355 | |
| Transportation and warehousing services. | | ID5 | 1323 | 128.570 | 127.532 | 125.391 | 121.839 | 119.506 | |
| Transportation and warehousing services | | ID5 | 13222 | 132.989 | 131.915 | 129.701 | 126.026 | 123.614 | |
| Services less trade, transportation, and warehousing | | ID5 | 1321 | 136.040 | 135.801 | 136.485 | 137.923 | 138.371 | |
| Intermediate Demand by Production Flow Special Groupings | | | | | | | | | |
| | | l. <u>.</u> _ | | | | | | | |
| Total goods inputs to stage 4 intermediate demand. | | ID5 | 9411 | 145.229 | 145.076 | 144.404 | 144.178 | 143.366 | |
| Total services inputs to stage 4 intermediate demand. | | ID5 | 9412 | 146.400 | 146.462 | 146.416 | 147.654 143.239 | 147.757 | |
| Total construction inputs to stage 4 intermediate demand | | ID5 ID5 | 9413 9414 | 141.282 151.468 | 141.568 149.380 | 142.174 147.602 | 146.463 | 145.705 144.090 | |
| Total energy goods inputs to stage 4 intermediate demand | 04/10 | ID5 | 9415 | 139.778 | 139.039 | 134.485 | 132.987 | 127.901 | |
| Total goods less foods and energy inputs to stage 4 intermediate demand | 1 | ID5 | 9416 | 146.143 | 146.379 | 146.501 | 146.621 | 146.733 | |
| Total goods inputs to stage 3 intermediate demand | | ID5 | 9311 | 144.586 | 143.652 | 142.082 | 140.441 | 137.133 | |
| Total services inputs to stage 3 intermediate demand | | ID5 | 9312 | 143.220 | 143.304 | 142.774 | 143.848 | 143.997 | |
| Total construction inputs to stage 3 intermediate demand | 1 | ID5 | 9313 | 141.282 | 141.568 | 142.174 | 143.239 | 145.705 | |
| Total foods inputs to stage 3 intermediate demand | | ID5 | 9314 | 159.084 | 156.309 | 156.052 | 152.552 | 147.668 | |
| Total energy goods inputs to stage 3 intermediate demand | | ID5 | 9315 | 146.535 | 141.781 | 135.950 | 128.994 | 116.060 | |
| Total goods less foods and energy inputs to stage 3 intermediate demand | 04/10 | ID5 | 9316 | 143.108 | 144.016 | 143.190 | 143.833 | 143.962 | |
| Total goods inputs to stage 2 intermediate demand | | ID5 | 9211 | 127.552 | 121.762 | 115.744 | 117.895 | 113.171 | |
| Total services inputs to stage 2 intermediate demand | | ID5 | 9212 | 143.957 | 145.683 | 144.738 | 145.914 | 146.723 | |
| Total construction inputs to stage 2 intermediate demand | | ID5 | 9213 | 141.282 | 141.568 | 142.174 | 143.239 | 145.705 | |
| Total foods inputs to stage 2 intermediate demand | | ID5 | 9214 | 171.640 | 170.260 | 165.339 | 164.641 | 161.168 | |
| Total energy goods inputs to stage 2 intermediate demand. | 04/10 | ID5 | 9215 | 105.125 | 94.449 | 84.125 | 87.924 | 80.530 | |
| Total goods less foods and energy inputs to stage 2 intermediate demand | | ID5 | 9216 | 138.335 | 138.626 | 138.532 | 138.857 | 137.788 | |
| Total goods inputs to stage 1 intermediate demand | 04/10 | ID5 | 9111 | 135.376 | 134.811 | 133.470 | 132.564 | 130.120 | |
| | | | | | | | | | |

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

[May 2023, Index base Nov. 2009=100, unless otherwise indicated]

| | Other | l . | nmodity ode | | Seasonally adjusted index ¹ | | | | | |
|---|-------|------------|----------------|--------------|--|---------------------------|---------------------------|--------------------------|--|--|
| Grouping | base | Group code | Item code | Jan. 2023 | Feb. 2023 ^p | Mar. 2023 ^p | Apr. 2023 ^p | May 2023 ^p | | |
| Total services inputs to stage 1 intermediate demand | 04/10 | ID5 | 9112 | 143.623 | 143.147 | 143.384 | 144.255 | 144.279 | | |
| Total construction inputs to stage 1 intermediate demand | 04/10 | ID5 | 9117 | 141.282 | 141.568 | 142.174 | 143.239 | 145.705 | | |
| Total foods inputs to stage 1 intermediate demand | 04/10 | ID5 | 9114 | 161.499 | 159.288 | 152.740 | 151.699 | 145.928 | | |
| Total energy goods inputs to stage 1 intermediate demand | 04/10 | ID5 | 9115 | 153.981 | 150.782 | 146.946 | 140.456 | 129.637 | | |
| Total goods less foods and energy inputs to stage 1 intermediate demand | 04/10 | ID5 | 9116 | 127.337 | 127.551 | 127.228 | 127.716 | 127.611 | | |

¹ 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.

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

³ Trade indexes measure changes in margins received by wholesalers and retailers.

⁴ 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.

 $^{^{\}rm 5}$ Distributive services include transportation, warehousing, and trade of goods.

⁶ Includes intermediate trade, transportation, and warehousing services.

⁷ Includes crude petroleum.

⁸ Excludes crude petroleum.

p Preliminary

[&]quot;-" Data not available.