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PRODUCER PRICE INDEXES – MAY 2024

The Producer Price Index for final demand declined 0.2 percent in May, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. Final demand prices increased 0.5 percent in April and edged down 0.1 percent in March. (See table A.) On an unadjusted basis, the index for final demand advanced 2.2 percent for the 12 months ended in May.

The May decrease in final demand prices can be attributed to a 0.8-percent decline in the index for final demand goods. Prices for final demand services were unchanged.

Prices for final demand less foods, energy, and trade services were unchanged in May following a 0.5-percent increase in April. For the 12 months ended in May, the index for final demand less foods, energy, and trade services rose 3.2 percent.

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

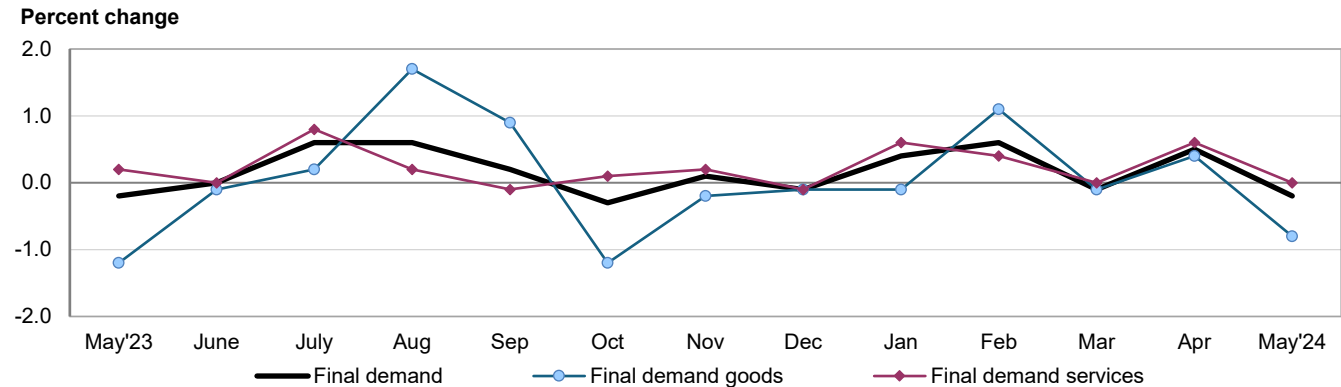
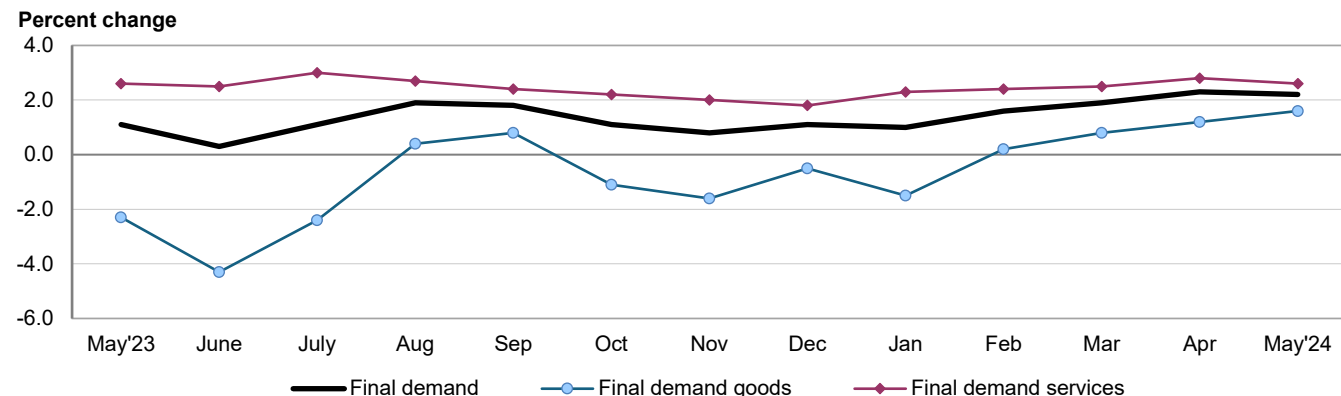


Chart 2. Twelve-month percent changes in selected PPI final demand price indexes, not seasonally adjusted



Final Demand

Final demand goods: Prices for final demand goods fell 0.8 percent in May, the largest decline since moving down 1.2 percent in October 2023. Leading the May decrease, the index for final demand energy dropped 4.8 percent. Prices for final demand foods edged down 0.1 percent. In contrast, the index for final demand goods less foods and energy advanced 0.3 percent.

Product detail: Nearly 60 percent of the May decrease in the index for final demand goods can be traced to a 7.1-percent decline in prices for gasoline. The indexes for diesel fuel, chicken eggs, electric power, jet fuel, and basic organic chemicals also fell. Conversely, prices for cigarettes rose 3.3 percent. The indexes for hay, hayseeds, and oilseeds and for residual fuels also moved higher. (See table 2.)

Final demand services: Prices for final demand services were unchanged in May after increasing 0.6 percent in April. In May, the indexes for final demand trade services and for final demand services less trade, transportation, and warehousing rose 0.2 percent and 0.1 percent, respectively. (Trade indexes measure changes in margins received by wholesalers and retailers.) In contrast, prices for final demand transportation and warehousing services fell 1.4 percent.

Product detail: Within the index for final demand services in May, margins for fuels and lubricants retailing jumped 12.2 percent. The indexes for food and alcohol retailing; outpatient care (partial); automobiles and automobile parts retailing; and apparel, footwear, and accessories retailing also advanced. Conversely, prices for airline passenger services fell 4.3 percent. The indexes for machinery and vehicle wholesaling, professional and commercial equipment wholesaling, portfolio management, and truck transportation of freight also declined.

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

Month	Total final demand	Final demand less foods, energy, and trade	Final demand goods				Final demand services				Change in final demand from 12 months ago (unadj.)	Change in final demand less foods, energy, and trade from 12 mo. ago (unadj.)
			Total	Foods	Energy	Less foods and energy	Total	Trade	Transportation and warehousing	Other		
2023												
May. ...	-0.2	0.0	-1.2	-0.8	-5.4	0.1	0.2	0.7	-0.7	0.1	1.1	2.9
June...	0.0	0.2	-0.1	-0.4	0.4	-0.1	0.0	-0.8	-0.3	0.5	0.3	2.9
July...	0.6	0.2	0.2	0.3	0.8	0.0	0.8	1.7	0.2	0.4	1.1	2.9
Aug...	0.6	0.2	1.7	-0.4	8.9	0.1	0.2	-0.1	0.0	0.3	1.9	2.9
Sept...	0.2	0.3	0.9	0.4	3.2	0.3	-0.1	-1.1	0.4	0.3	1.8	2.9
Oct....	-0.3	0.1	-1.2	0.2	-6.4	0.1	0.1	0.0	0.5	0.1	1.1	2.8
Nov....	0.1	0.1	-0.2	0.7	-2.0	0.1	0.2	0.4	-0.2	0.1	0.8	2.5
Dec...	-0.1	0.3	-0.1	0.0	-0.8	0.1	-0.1	-1.2	-0.2	0.5	1.1	2.7
2024												
Jan. ¹ ..	0.4	0.6	-0.1	-0.3	-1.1	0.3	0.6	0.1	-0.2	0.9	1.0	2.7
Feb. ¹ ..	0.6	0.4	1.1	1.0	3.9	0.3	0.4	0.3	1.2	0.3	1.6	2.8
Mar. ¹ ..	-0.1	0.2	-0.1	0.4	-1.3	0.0	0.0	-0.8	0.2	0.3	1.9	2.9
Apr. ¹ ..	0.5	0.5	0.4	-0.6	2.0	0.2	0.6	0.6	-0.5	0.7	2.3	3.2
May. ...	-0.2	0.0	-0.8	-0.1	-4.8	0.3	0.0	0.2	-1.4	0.1	2.2	3.2

¹ Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for January 2024 through April 2024 have been revised to reflect the availability of late reports and corrections by respondents.

Intermediate Demand by Commodity Type

Within intermediate demand in May, prices for processed goods fell 1.5 percent, the index for unprocessed goods decreased 1.8 percent, and prices for services edged up 0.1 percent. (See tables B and C.)

Processed goods for intermediate demand: The index for processed goods for intermediate demand moved down 1.5 percent in May, the largest decline since falling 2.3 percent in December 2022. The May decrease is attributable to prices for processed energy goods, which dropped 8.0 percent. In contrast, the index for processed materials less foods and energy advanced 0.1 percent, and prices for processed foods and feeds rose 0.3 percent. For the 12 months ended in May, the index for processed goods for intermediate demand moved down 0.7 percent.

Product detail: About 80 percent of the May decline in the index for processed goods for intermediate demand can be attributed to prices for diesel fuel, which dropped 24.5 percent. The indexes for gasoline, industrial electric power, commercial electric power, basic organic chemicals, and jet fuel also decreased. Conversely, prices for nonferrous mill shapes increased 3.8 percent. The indexes for natural cheese (except cottage cheese) and for residual fuels also rose.

Unprocessed goods for intermediate demand: The index for unprocessed goods for intermediate demand moved down 1.8 percent in May, the largest decline since falling 4.1 percent in December 2023. The May decrease can be traced to prices for unprocessed energy materials, which dropped 6.6 percent. In contrast, the indexes for unprocessed nonfood materials less energy and for unprocessed foodstuffs and feedstuffs advanced 1.8 percent and 1.0 percent, respectively. For the 12 months ended in May, prices for unprocessed goods for intermediate demand declined 1.6 percent.

Product detail: Leading the May decrease in prices for unprocessed goods for intermediate demand, the index for crude petroleum fell 8.7 percent. Prices for slaughter hogs, ungraded chicken eggs, slaughter chickens, raw cotton, and raw milk also moved lower. Conversely, the index for aluminum base scrap jumped 18.0 percent. Prices for hay, hayseeds, and oilseeds and for natural gas also increased.

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

Month	Processed goods for intermediate demand					Unprocessed goods for intermediate demand				
	Total	Foods and feeds	Energy goods	Less foods and energy	Total, change from 12 months ago (unadj.)	Total	Food-stuffs and feed-stuffs	Energy materials	Nonfood materials less energy	Total, change from 12 months ago (unadj.)
2023										
May.....	-1.4	-1.3	-5.9	-0.1	-7.2	-4.9	-4.1	-8.0	-1.7	-28.2
June.....	-0.5	-1.3	-0.6	-0.4	-9.4	-1.2	0.3	-2.8	-1.4	-32.1
July.....	-0.3	1.0	-0.2	-0.5	-7.6	2.5	-0.8	10.1	-2.9	-24.1
Aug.....	2.0	0.6	11.2	-0.2	-4.4	2.1	-0.1	6.0	-0.2	-26.2
Sept.....	0.5	0.7	2.1	0.0	-3.7	2.9	1.2	6.8	-0.4	-21.5
Oct.....	-1.0	-0.2	-4.3	-0.1	-4.6	-1.6	-2.1	-2.1	0.0	-14.8
Nov.....	-0.7	-0.5	-2.6	-0.3	-4.6	-2.1	-0.4	-5.3	0.7	-14.0
Dec.....	-0.4	0.1	-2.9	0.2	-2.8	-4.1	-3.3	-7.6	0.3	-18.7
2024										
Jan. ¹	-0.1	-1.7	-1.0	0.3	-3.7	1.6	-1.5	6.4	-1.3	-13.5
Feb. ¹	1.4	0.3	5.5	0.5	-2.0	-0.3	1.6	-1.1	-1.7	-9.3
Mar. ¹	-0.5	0.2	-1.4	-0.3	-1.7	-1.5	1.6	-5.4	0.2	-6.3
Apr. ¹	0.5	-0.2	1.9	0.3	-0.6	2.5	-0.6	6.9	0.6	-4.7
May.....	-1.5	0.3	-8.0	0.1	-0.7	-1.8	1.0	-6.6	1.8	-1.6

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Services for intermediate demand: Prices for services for intermediate demand edged up 0.1 percent in May, the third consecutive advance. Leading the May increase, the index for trade services for intermediate demand rose 0.7 percent. Prices for transportation and warehousing services for intermediate demand moved up 0.3 percent. The index for services less trade, transportation, and warehousing for intermediate demand was unchanged. For the 12 months ended in May, prices for services for intermediate demand rose 3.4 percent.

Product detail: A major factor in the May increase in prices for services for intermediate demand was the index for machinery and equipment parts and supplies wholesaling, which advanced 1.6 percent. The indexes for arrangement of freight and cargo transportation, fuels and lubricants retailing, commercial and industrial machinery maintenance and repair, and investment banking also moved higher. In contrast, prices for airline passenger services declined 4.3 percent. The indexes for permanent placement services; portfolio management; and metals, minerals, and ores wholesaling also decreased.

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

Month	Services for intermediate demand				
	Total	Trade	Transportation and warehousing	Other	Total, change from 12 months ago (unadj.)
2023					
May.....	0.1	-0.3	-0.4	0.4	3.9
June.....	0.0	-0.9	-0.2	0.3	4.4
July.....	0.7	2.1	0.9	0.2	4.7
Aug.....	-0.1	-0.6	-0.7	0.1	4.2
Sept.....	0.3	-0.4	0.8	0.4	4.0
Oct.....	0.0	1.5	0.4	-0.5	3.5
Nov.....	0.5	1.5	-0.2	0.4	3.2
Dec.....	0.5	-0.3	1.0	0.6	3.7
2024					
Jan. ¹	0.9	1.1	-0.1	1.0	3.6
Feb. ¹	0.0	-1.6	1.0	0.2	3.2
Mar. ¹	0.2	0.1	0.0	0.3	3.7
Apr. ¹	0.3	-0.2	0.6	0.4	3.4
May.....	0.1	0.7	0.3	0.0	3.4

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Intermediate Demand by Production Flow

Stage 4 intermediate demand: The index for stage 4 intermediate demand moved down 0.2 percent in May, the first decline since a 0.3-percent decrease in October 2023. In May, prices for total goods inputs to stage 4 intermediate demand fell 0.4 percent, while the index for total services inputs was unchanged. (See table D.) Decreasing prices for diesel fuel, gasoline, portfolio management, industrial electric power, commercial electric power, and airline passenger services outweighed advances in the indexes for machinery and equipment parts and supplies wholesaling, corn, and aluminum mill shapes. For the 12 months ended in May, prices for stage 4 intermediate demand rose 2.3 percent.

Stage 3 intermediate demand: The index for stage 3 intermediate demand fell 0.7 percent in May, the largest decrease since moving down 1.2 percent in May 2023. In May 2024, prices for total goods inputs to stage 3 intermediate demand dropped 1.8 percent. Conversely, the index for total services inputs rose 0.3 percent. Lower prices for diesel fuel, slaughter hogs, ungraded chicken eggs, jet fuel, gasoline, and permanent placement services outweighed advances in the indexes for arrangement of freight and cargo transportation, slaughter steers and heifers, and corn. For the 12 months ended in May, prices for stage 3 intermediate demand moved up 0.6 percent, the first increase since rising 2.4 percent for the 12 months ended February 2023.

Stage 2 intermediate demand: The index for stage 2 intermediate demand moved down 0.8 percent in May following a 1.4-percent increase in April. In May, prices for total goods inputs to stage 2 intermediate demand dropped 2.4 percent. In contrast, the index for total services inputs rose 0.3 percent. Declining prices for crude petroleum, basic organic chemicals, loan services (partial), diesel fuel, permanent placement services, and airline passenger services outweighed advances in the indexes for arrangement of freight and cargo transportation, fuels and lubricants retailing, and oilseeds. For the 12 months ended in May, prices for stage 2 intermediate demand moved up 1.3 percent, the largest increase since rising 5.5 percent for the 12 months ended January 2023.

Stage 1 intermediate demand: The index for stage 1 intermediate demand fell 0.8 percent in May, the largest decrease since declining 0.8 percent in May 2023. In May 2024, prices for total goods inputs to stage 1 intermediate demand dropped 1.6 percent, while the index for total services inputs was unchanged. Declining prices for diesel fuel, airline passenger services, gasoline, basic organic chemicals, industrial electric power, and natural gas to electric utilities outweighed advances in the indexes for corn, aluminum base scrap, and fuels and lubricants retailing. For the 12 months ended in May, prices for stage 1 intermediate demand moved up 0.7 percent.

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

Month	Stage 4 intermediate demand			Stage 3 intermediate demand			Stage 2 intermediate demand			Stage 1 intermediate demand		
	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs
2023												
May.....	-0.1	-0.5	0.2	-1.2	-2.6	-0.1	-1.4	-4.0	0.5	-0.8	-1.5	-0.2
June.....	0.0	-0.1	0.0	-0.3	-0.4	-0.2	-1.0	-2.0	-0.2	-0.3	-0.6	0.1
July.....	0.4	-0.1	0.8	-0.3	-1.3	0.6	1.9	3.9	0.6	0.1	-0.7	0.9
Aug.....	0.4	0.6	0.3	1.0	3.1	-0.6	0.7	2.2	-0.4	1.3	2.4	0.2
Sept.....	0.3	0.3	0.3	0.5	0.9	0.3	1.2	3.0	-0.1	0.3	0.3	0.2
Oct.....	-0.3	-0.5	-0.2	-0.5	-1.7	0.4	-0.3	-1.1	0.4	-0.4	-0.8	-0.1
Nov.....	0.2	-0.3	0.5	-0.2	-1.1	0.6	-1.0	-2.5	0.2	-0.2	-0.9	0.6
Dec.....	0.2	0.0	0.4	-0.3	-1.6	0.7	-1.1	-3.4	0.5	-0.2	-0.7	0.3
2024												
Jan. ¹	0.6	-0.1	1.2	0.3	0.0	0.6	1.2	1.7	0.8	0.4	-0.2	1.0
Feb. ¹	0.1	0.5	-0.2	0.9	2.4	-0.3	0.0	-0.7	0.6	0.4	1.3	-0.5
Mar. ¹	0.2	-0.2	0.4	-0.1	-0.3	0.0	-0.9	-2.4	0.1	-0.2	-0.7	0.3
Apr. ¹	0.4	0.4	0.4	0.2	0.2	0.2	1.4	3.1	0.3	0.3	0.5	0.1
May.....	-0.2	-0.4	0.0	-0.7	-1.8	0.3	-0.8	-2.4	0.3	-0.8	-1.6	0.0

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The Producer Price Index for June 2024 is scheduled to be released on Friday, July 12, 2024, at 8:30 a.m. (ET).

Technical Note

Brief Explanation of Producer Price Indexes

The Producer Price Index (PPI) of the Bureau of Labor Statistics (BLS) is a family of indexes that measures the average change over time in prices received (price changes) by producers for domestically produced goods, services, and construction. PPIs measure price change from the perspective of the seller. This contrasts with other measures, such as the Consumer Price Index (CPI). CPIs measure price change from the purchaser's perspective.

More than 10,000 PPIs for individual products and groups of products are released each month. PPIs are available for the products of virtually every industry in the mining and manufacturing sectors. Over time, new PPIs have been introduced for products of industries in the services and construction sectors of the U.S. economy. As of January 2023, the PPI covered 69 percent of services as measured by 2017 Census revenue, and 17 percent of construction.

More than 64,000 price quotations per month are organized into three sets of PPIs: (1) Final demand-Intermediate demand (FD-ID) indexes, (2) commodity indexes, and (3) indexes for the net output of industries and their products. The FD-ID structure organizes products by class of buyer and degree of fabrication as well as by stage of production. The commodity structure organizes products by similarity of end use or product type. The entire output of various industries is sampled to derive price indexes for the net output of industries and their products.

Final Demand–Intermediate Demand Indexes

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

Compared with finished goods under the SOP system, the PPI for final demand goods includes nearly a 50 percent expansion of coverage. This increase can be traced to the addition of government purchases and exports. For overall final demand, expansion to include final demand services represents an even larger increase in coverage. In December 2022, final demand goods were about 30.7 percent of overall final demand, final demand services were roughly 66.6 percent, and final demand construction was about 2.7 percent of final demand. Within intermediate demand, coverage of services for intermediate demand resulted in about a 45 percent increase in coverage of the intermediate demand portion of the economy.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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	<i>PPI Detailed Report</i> Issue
	SIC	
Wireless telecommunications	4812	July 1999
Telephone communications, except radio telephone	4813	July 1995
Television broadcasting	4833	July 2002
Grocery stores	5411	July 2000
Meat and fish (seafood) markets	5421	July 2000
Fruit and vegetable markets	5431	July 2000
Candy, nut, and confectionery stores ...	5441	July 2000

Title	Code	PPI Detailed Report Issue
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	January 2001
Investment advice	6282	January 2003
Life insurance carriers	6311	January 1999
Property and casualty insurance	6331	July 1998
Insurance agencies and brokerages ...	6412	January 2003
Operators and lessors of nonresidential buildings	6512	January 1996
Real estate agents and managers	6531	January 1996
Prepackaged software	7372	January 1998
Data processing services	7374	January 2002
Home health care services	8082	January 1997
Legal services	8111	January 1997
Engineering design, analysis, and consulting services	8711	January 1997
Architectural design, analysis, and consulting services	8712	January 1997
Premiums for property and casualty insurance	9331	July 1998
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
Roofing contractors, nonresidential building work	23816X	July 2008
Electrical contractors, nonresidential building work	23821X	July 2008
Plumbing / HVAC contractors, nonresidential building work	23822X	July 2008
Merchant wholesalers, durable goods..	423	July 2005
Merchant wholesalers, nondurable goods	424	July 2005
Electronics and appliance stores	443	January 2004
Building material and garden equipment and supplies dealers.....	444	January 2004
Sporting goods, hobby, book, and music stores	451	January 2004
General merchandise stores	452	January 2004
Miscellaneous store retailers	453	January 2004
Pipeline transportation of natural gas....	486210	June 2022
Internet service providers	518111	July 2005
Internet publishing and web search portals	519130	January 2010
Commercial banking	522110	January 2005
Savings institutions	522120	January 2005
Direct health and medical insurance carriers	524114	July 2004

Title	Code	PPI Detailed Report Issue
NAICS		
Construction, mining, and forestry machinery and equipment rental and leasing	532412	January 2005
Management consulting services	541610	January 2007
Security guards and patrol services	561612	July 2005
Offices of dentists	621210	January 2011
Blood and organ banks	621991	January 2007
Amusement and theme parks	713110	July 2006
Golf courses and country clubs	713910	July 2006
Fitness and recreational sports centers.	713940	July 2005
Commercial machinery repair and maintenance.....	811310	July 2007

Weights

Weights for most commodity groupings of the PPI, as well as, weights for commodity-based aggregate indexes calculated from commodity groupings, such as FD-ID indexes, currently reflect 2017 values of shipments as reported in the *Census of Manufactures* and other sources. From January 2018 to December 2022, PPI weights were derived from 2012 shipment values. Industry indexes now are calculated under the 2022 NAICS structure utilizing 2017 value of shipment weights and 2012 net output ratios. The periodic update of the value weights used to calculate the PPI is done to more accurately reflect changes in production and marketing patterns in the economy.

Net output values of shipments are used as weights for industry indexes. Net output values refer to the value of shipments from establishments within the industry to buyers outside the industry. However, weights for commodity indexes are based on gross shipment values, including values of shipments between establishments within the same industry. As a result, broad commodity grouping indexes, such as the PPI for All Commodities (which is composed of major commodity groupings 01 through 15), are affected by the multiple counting of price change at successive stages of processing, which can lead to exaggerated or misleading signals about inflation. The intermediate demand by commodity type FD-ID indexes partially correct for this defect, but industry indexes, final demand FD-ID indexes, and intermediate demand by production flow FD-ID indexes consistently correct for this at all levels of aggregation. Therefore, industry and FD-ID indexes are more appropriate than broad commodity groupings for analysis of general price trends.

Price Index Reference Base

Effective with publication of January 1988 data, many important PPI series (including most commodity groups and individual items) were placed on a new reference base, 1982 = 100. From 1971 through 1987, the standard reference base for most PPI series was 1967 = 100. Except for rounding differences, the shift to the new reference base did not alter any previously published percent changes for affected PPI series. (See “Calculating Index Changes,” below.) The 1982

reference base is not used for commodity indexes with a base later than December 1981 or for industry net output indexes and their products. The FD-ID indexes typically have a reference base of November 2009 = 100.

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

Calculating Index Changes

Each PPI measures price changes from a reference period that equals 100.0. An increase of 5.5 percent from the reference period in the Final Demand Goods Price Index, for example, is shown as 105.5. This change also can be expressed in dollars, as follows: prices received by domestic producers of a sample of final demand goods have risen from \$100 in November 2009 to \$105.50. Likewise, a current index of 90.0 would indicate that prices received by producers of final demand goods are 10 percent lower than they were in November 2009.

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

Index point change

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

Index percent change

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

Seasonally Adjusted and Unadjusted Data

Because price data are used for different purposes by different groups, BLS publishes seasonally adjusted and unadjusted changes each month. Seasonally adjusted data are preferred for analyzing general price trends in the economy because these data eliminate the effect of changes that normally occur at about the same time, and in about the same magnitude, every year—such as price movements resulting from normal weather patterns, regular production and marketing cycles, model changeovers, seasonal discounts, and holidays. For these reasons, seasonally adjusted data more clearly reveal underlying trends. Unadjusted data are of primary interest to users who need information that can be related to actual dollar values of transactions. Individuals requiring this information include marketing specialists, purchasing agents, budget and cost analysts, contract specialists, and commodity traders. It is the unadjusted data

that are generally cited when escalating long-term contracts such as purchasing agreements or real estate leases. For more information, see *Price Adjustment Guide for Contracting Parties*, on the Web at: www.bls.gov/ppi/publications/price-adjustment-guide-for-contracting-parties.htm.

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.

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

Discontinued industry-product codes based on SIC combine a “pdu” prefix and “#” between the fourth and fifth characters of the product code. Series identifiers for the discontinued dataset use underscores as placeholders to complete a reference to an SIC industry group code of fewer than four digits. (All PPI industry-based indexes organized by SIC were discontinued with the introduction of NAICS in 2004.)

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

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

*Industry-product code,
discontinued NAICS series*
ndu212231212231
ndu2122312122312
ndu212231212231214

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

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

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

Additional information

The PPI homepage (www.bls.gov/ppi) contains additional information regarding PPI data and methodology. The “PPI Publications” section of the homepage provides PPI news releases, both current and archived, as well as general PPI information. The “PPI Tables” section provides relative importance and seasonal factor tables. The remaining sections offer special notices and publications pertaining to PPI methodology and applications.

For questions or comments regarding PPI data classification, methodology, or data availability on the Internet, call or e-mail the Section of Index Analysis and Public Information at (202) 691-7705 or ppi-info@bls.gov. 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 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² May 2023 to May 2024 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			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	2.2	0.4	0.6	-0.1	0.5	-0.2
Final demand goods.....	FD	41	30.162	1.6	-0.1	1.1	-0.1	0.4	-0.8
Final demand foods.....	FD	411	5.633	1.3	-0.3	1.0	0.4	-0.6	-0.1
Finished consumer foods ³	FD	4111	4.307	2.8	0.3	1.8	0.3	-0.6	-0.4
Finished consumer foods, crude.....	FD	41113	0.351	0.7	8.0	10.2	-4.0	-4.4	-7.6
Finished consumer foods, processed.....	FD	41112	3.956	3.0	-0.4	1.0	0.8	-0.2	0.2
Government purchased foods.....	FD	4112	0.410	3.1	-1.3	1.0	0.6	-0.6	0.0
Foods for export.....	FD	4113	0.916	-6.6	-2.9	-2.5	0.8	-0.8	1.6
Final demand energy.....	FD	412	5.517	1.8	-1.1	3.9	-1.3	2.0	-4.8
Finished consumer energy goods ³	FD	4121	4.292	2.1	-1.3	3.1	-1.1	2.0	-3.9
Government purchased energy.....	FD	4122	0.834	-0.4	-0.9	6.8	-1.6	1.6	-8.6
Energy for export.....	FD	4123	0.391	2.4	0.0	6.1	-3.1	2.3	-6.0
Final demand goods less foods and energy.....	FD	413	19.012	1.7	0.3	0.3	0.0	0.2	0.3
Finished goods less foods and energy ³	FD	4131	10.933	2.3	0.3	0.4	0.2	0.1	0.3
Finished consumer goods less foods and energy.....	FD	41311	5.811	2.0	0.1	0.4	0.1	0.1	0.4
Nondurable consumer goods less foods and energy.....	FD	413111	3.522	2.6	0.1	0.5	0.0	0.1	0.6
Durable consumer goods.....	FD	413112	2.289	1.2	0.2	0.1	0.3	0.1	0.1
Private capital equipment.....	FD	41312	5.122	2.6	0.5	0.4	0.3	0.1	0.2
Private capital equipment for manufacturing industries.....	FD	413121	1.254	3.5	0.7	0.4	0.4	0.1	0.4
Private capital equipment for nonmanufacturing industries.....	FD	413122	3.868	2.3	0.5	0.3	0.3	0.1	0.1
Government purchased goods, excluding foods and energy.....	FD	4132	1.971	2.1	0.4	0.3	0.2	0.3	0.0
Government purchased goods excluding foods, energy, and capital equipment.....	FD	41321	1.146	0.6	0.1	0.3	0.3	0.3	-0.1
Government purchased capital equipment.....	FD	41322	0.825	4.2	0.8	0.3	0.2	0.2	0.1
Goods for export, excluding foods and energy.....	FD	4133	6.108	0.6	0.1	0.3	-0.3	0.4	0.3
Final demand services.....	FD	42	67.184	2.6	0.6	0.4	0.0	0.6	0.0
Final demand trade services ⁴	FD	423	19.195	-0.6	0.1	0.3	-0.8	0.6	0.2
Trade of finished goods ³	FD	4231	16.558	-1.0	-0.2	0.4	-0.8	0.4	0.4
Trade of personal consumption goods.....	FD	42311	13.605	-0.3	-0.5	0.4	-0.5	-0.4	1.2
Trade of private capital equipment.....	FD	42312	2.953	-4.3	1.2	0.6	-2.0	4.1	-3.4
Trade of government purchased goods.....	FD	4232	0.745	1.9	1.4	0.3	-0.9	2.2	-1.3
Trade of government purchased goods, excluding capital equipment.....	FD	42321	0.474	4.3	0.0	-0.2	0.1	0.2	0.8
Trade of government purchased capital equipment.....	FD	42322	0.271	-2.0	3.7	1.2	-2.5	5.5	-4.7
Trade of exports.....	FD	4233	1.892	1.9	2.6	-0.5	-0.9	2.0	-1.1
Final demand transportation and warehousing services.....	FD	422	4.931	-0.3	-0.2	1.2	0.2	-0.5	-1.4
Transportation of passengers for final demand.....	FD	4221	1.271	-2.3	-0.7	3.0	1.7	-3.6	-4.2
Transportation of private passengers.....	FD	42211	0.857	-2.3	-0.7	3.0	1.7	-3.6	-4.2
Transportation of government passengers.....	FD	42212	0.103	-2.2	-0.7	3.0	1.7	-3.5	-4.2
Transportation of passengers for export.....	FD	42213	0.311	-2.3	-0.7	3.1	1.8	-3.6	-4.3
Transportation and warehousing of goods for final demand.....	FD	4222	3.660	0.4	0.0	0.6	-0.3	0.6	-0.4
Transportation and warehousing of finished goods ³	FD	42221	2.368	0.0	-0.1	0.6	-0.4	0.6	-0.5
Transportation and warehousing of personal consumption goods.....	FD	422211	1.908	0.2	-0.1	0.6	-0.3	0.6	-0.4
Transportation and warehousing of private capital equipment.....	FD	422212	0.460	-0.5	-0.1	0.5	-0.4	0.7	-0.5
Transportation and warehousing of government purchased goods.....	FD	42222	0.220	0.9	0.0	0.7	-0.2	0.8	-0.5
Transportation and warehousing of exports.....	FD	42223	1.072	1.1	0.0	0.4	-0.3	0.7	-0.2
Final demand services less trade, transportation, and warehousing.....	FD	421	43.059	4.5	0.9	0.3	0.3	0.7	0.1
Finished services less trade, transportation, and warehousing ³	FD	4211	37.528	4.4	0.9	0.3	0.3	0.7	0.1
Finished consumer services less trade, transportation, and warehousing.....	FD	42111	33.067	4.5	1.0	0.3	0.3	0.6	0.1
Private capital investment services less trade, transportation, and warehousing.....	FD	42112	4.461	3.3	-0.3	0.0	0.0	1.1	0.2
Government purchased services less trade, transportation, and warehousing.....	FD	4212	2.810	4.4	1.1	0.2	0.1	0.8	0.0
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....	FD	42121	2.647	4.5	1.2	0.2	0.1	0.7	0.0
Government purchased capital investment services less trade, transportation, and warehousing.....	FD	42122	0.163	2.3	-0.4	0.0	0.4	1.0	0.0
Services for export less trade, transportation, and warehousing.....	FD	4213	2.721	6.1	0.9	0.5	0.9	1.1	-0.1
Final demand construction.....	FD	43	2.654	-0.9	0.3	0.0	0.1	0.2	0.0
Construction for private capital investment.....	FD	431	1.844	-1.0	0.3	0.0	0.1	0.1	0.0
Construction for government.....	FD	432	0.810	-0.7	0.4	0.0	0.0	0.2	-0.1
Special Groupings of Final Demand									
Final demand less exports.....	FD	49101	86.589	2.4	0.4	0.6	-0.1	0.5	-0.3
Final demand less government.....	FD	49102	92.097	2.2	0.4	0.6	-0.1	0.5	-0.2

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² May 2023 to May 2024 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			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 consumption, and energy ⁵	FD	49103	88.421	2.3	0.6	0.4	0.0	0.5	0.0
Final demand less foods and energy ⁵	FD	49104	88.850	2.3	0.5	0.3	0.0	0.5	0.0
Final demand less foods and food and nonalcoholic beverages for immediate consumption ⁵	FD	49105	93.938	2.2	0.4	0.6	-0.1	0.6	-0.3
Final demand less foods ⁵	FD	49106	94.367	2.3	0.4	0.6	-0.1	0.6	-0.3
Final demand less energy.....	FD	49107	94.483	2.3	0.5	0.4	0.0	0.4	0.0
Final demand less trade services.....	FD	49108	80.805	2.9	0.4	0.7	0.1	0.5	-0.3
Final demand less distributive services ⁶	FD	49109	77.145	3.1	0.4	0.7	0.1	0.5	-0.3
Final demand goods less energy.....	FD	49111	24.645	1.6	0.1	0.5	0.1	0.0	0.2
Final demand goods less foods.....	FD	49112	24.529	1.7	-0.1	1.2	-0.3	0.6	-0.9
Final demand services less trade services.....	FD	49113	47.990	4.0	0.8	0.4	0.3	0.6	-0.1
Final demand distributive services ⁶	FD	49114	22.855	-0.5	0.1	0.4	-0.7	0.6	0.1
Final demand goods plus final demand distributive services ⁶	FD	49115	53.017	0.7	0.0	0.8	-0.4	0.5	-0.4
Final demand less foods, energy, and trade services ⁵	FD	49116	69.655	3.2	0.6	0.4	0.2	0.5	0.0
Private and government purchased capital equipment.....	FD	49117	5.947	2.8	0.6	0.3	0.3	0.1	0.1
Private and government purchased capital investment services.....	FD	49118	8.308	0.1	0.4	0.3	-0.8	2.3	-1.3
Total private and government purchased capital investment.....	FD	49119	14.255	0.9	0.4	0.3	-0.3	1.2	-0.6
Total finished ³	FD	49201	78.687	2.4	0.3	0.6	-0.1	0.5	-0.2
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy ^{3, 5}	FD	49202	69.663	2.4	0.5	0.4	0.0	0.4	0.1
Total finished less foods and energy ^{3, 5}	FD	49203	70.088	2.4	0.5	0.4	0.0	0.4	0.1
Total finished less foods and food and nonalcoholic beverages for immediate consumption ^{3, 5}	FD	49204	73.955	2.4	0.4	0.5	-0.1	0.5	-0.1
Total finished less foods ^{3, 5}	FD	49205	74.380	2.4	0.3	0.5	-0.1	0.5	-0.1
Total finished less energy ³	FD	49206	74.395	2.4	0.4	0.4	0.0	0.4	0.1
Finished goods ³	FD	49207	19.532	2.4	0.0	1.3	-0.1	0.4	-0.9
Finished goods less energy ³	FD	49208	15.240	2.4	0.3	0.8	0.2	-0.1	0.1
Finished goods, excluding foods ^{3, 5}	FD	49209	15.225	2.2	-0.1	1.2	-0.2	0.7	-1.0
Finished services ³	FD	49210	57.311	2.5	0.5	0.4	-0.1	0.5	0.1
Private capital investment services.....	FD	49211	7.874	0.1	0.3	0.3	-0.8	2.2	-1.2
Finished distributive services ^{3, 6}	FD	49212	18.926	-0.9	-0.2	0.4	-0.7	0.4	0.3
Finished services less trade services ³	FD	49213	40.753	4.0	0.8	0.4	0.3	0.6	0.0
Finished services less distributive services ^{3, 6}	FD	49214	38.385	4.2	0.8	0.3	0.3	0.6	0.0
Total private capital investment (goods, services, and construction).....	FD	49215	14.840	0.8	0.4	0.3	-0.3	1.2	-0.6
Finished goods plus finished distributive services ^{3, 6}	FD	49216	38.458	0.8	-0.1	0.9	-0.4	0.4	-0.3
Total exports.....	FD	49301	13.411	1.4	0.4	0.3	-0.1	0.7	-0.2
Goods for export.....	FD	49302	7.415	-0.2	-0.3	0.3	-0.4	0.4	0.1
Services for export.....	FD	49303	5.996	3.4	1.2	0.3	0.2	1.0	-0.7
Total government purchases.....	FD	49401	7.903	2.3	0.5	1.0	-0.1	0.7	-1.1
Government purchased goods.....	FD	49402	3.215	1.6	-0.2	2.1	-0.2	0.5	-2.3
Government purchased services.....	FD	49403	3.878	3.5	1.0	0.3	0.0	0.9	-0.4
Total government purchased capital investment (goods, services, construction).....	FD	49404	2.069	1.3	0.9	0.3	-0.2	1.0	-0.6
Government purchases, defense.....	FD	49405	2.356	3.2	0.6	1.3	-0.4	0.7	-1.3
Government purchases, non-defense.....	FD	49406	5.547	1.9	0.4	0.9	0.0	0.7	-1.1
Personal consumption.....	FD	49501	63.847	2.8	0.3	0.7	0.0	0.3	-0.1
Personal consumption goods (finished consumer goods).....	FD	49502	14.410	2.3	-0.2	1.6	-0.2	0.5	-1.2
Personal consumption goods less energy.....	FD	49503	10.118	2.4	0.2	1.0	0.2	-0.2	0.0
Personal consumption goods less foods.....	FD	49504	10.103	2.0	-0.5	1.6	-0.4	1.0	-1.5
Personal consumption nondurable goods less foods.....	FD	49508	7.814	2.3	-0.7	2.0	-0.6	1.2	-2.0
Personal consumption services.....	FD	49505	49.437	2.9	0.5	0.4	0.1	0.3	0.3
Personal consumption less trade services.....	FD	49506	50.242	3.6	0.6	0.8	0.2	0.5	-0.4
Personal consumption less distributive services ⁶	FD	49507	48.334	3.7	0.6	0.8	0.2	0.5	-0.4
Personal consumption less foods and energy.....	FD	49510	55.248	2.8	0.5	0.4	0.1	0.2	0.3
Personal consumption less foods, energy, and trade services ⁴	FD	49511	41.643	3.8	0.8	0.4	0.3	0.4	0.0
Personal consumption less foods, energy, and distributive services ⁶	FD	49512	39.735	4.0	0.8	0.4	0.3	0.4	0.0
Personal consumption goods plus personal consumption distributive services ⁶	FD	49509	29.923	1.0	-0.4	1.0	-0.4	0.1	-0.1
Intermediate Demand by Commodity Type									
Processed goods									
Processed goods for intermediate demand.....	ID6	1	100.000	-0.7	-0.1	1.4	-0.5	0.5	-1.5
Materials and components for manufacturing.....	ID6	11	43.169	-1.0	0.2	0.8	-0.5	0.2	0.2
Materials for manufacturing.....	ID6	111	26.499	-2.6	0.1	1.1	-0.9	0.3	0.2
Materials for food manufacturing.....	ID6	1111	4.375	2.4	-1.6	1.7	0.9	0.1	0.3
Materials for nondurable manufacturing.....	ID6	1112	11.774	-3.0	-0.8	0.7	0.2	0.8	-0.4
Materials for durable manufacturing.....	ID6	1113	10.350	-4.2	1.8	1.3	-2.9	-0.2	1.0
Components for manufacturing.....	ID6	112	16.670	1.6	0.4	0.2	0.2	0.1	0.1

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² May 2023 to May 2024 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P	Apr. to May ^P
Components for nondurable manufacturing.....	ID6	1121	0.804	-0.1	-0.1	0.3	0.2	0.6	0.1
Components for durable manufacturing.....	ID6	1122	15.866	1.7	0.4	0.2	0.1	0.1	0.1
Materials and components for construction.....	ID6	12	10.782	2.0	0.2	0.3	0.1	0.3	0.0
Materials for construction.....	ID6	121	4.753	2.5	0.3	0.5	0.5	0.4	-0.2
Components for construction.....	ID6	122	6.029	1.5	0.2	0.1	-0.2	0.2	0.1
Processed fuels and lubricants for intermediate demand.....	ID6	13	18.656	-1.7	-1.0	5.5	-1.4	1.9	-8.0
Processed fuels and lubricants to manufacturing industries.....	ID6	131	4.711	-2.3	-1.4	2.7	-1.1	1.2	-6.1
Processed fuels and lubricants to nonmanufacturing industries.....	ID6	132	13.945	-1.5	-0.9	6.5	-1.5	2.1	-8.6
Containers for intermediate demand.....	ID6	14	3.090	-1.6	-0.1	0.1	-0.2	0.4	0.5
Supplies for intermediate demand.....	ID6	15	24.303	-0.4	-0.2	0.0	-0.1	0.2	0.1
Supplies to manufacturing industries.....	ID6	151	3.234	0.6	0.4	0.0	0.3	0.5	0.1
Supplies to nonmanufacturing industries.....	ID6	152	21.069	-0.5	-0.2	0.0	-0.1	0.1	0.1
Supplies to nonmanufacturing industries, feeds.....	ID6	1521	2.208	-10.9	-2.6	-3.4	-2.1	-1.0	0.1
Supplies to nonmanufacturing industries, other than feeds.....	ID6	1522	18.861	0.7	0.0	0.4	0.1	0.2	0.1
Unprocessed goods									
Unprocessed goods for intermediate demand.....	ID6	2	100.000	-1.6	1.6	-0.3	-1.5	2.5	-1.8
Unprocessed foodstuffs and feedstuffs.....	ID6	21	37.665	-3.5	-1.5	1.6	1.6	-0.6	1.0
Unprocessed nonfood materials.....	ID6	22	62.334	-0.3	3.4	-1.5	-3.4	4.4	-3.4
Unprocessed nonfood materials except fuel.....	ID6	221	51.132	1.6	1.6	2.0	0.9	5.1	-4.1
Unprocessed nonfood materials except fuel to manufacturing industries.....	ID6	2211	48.525	1.3	1.5	2.1	1.0	5.3	-4.3
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	ID6	2212	2.607	-7.0	2.8	-0.1	0.4	0.4	0.1
Unprocessed fuel.....	ID6	222	11.202	-11.4	11.6	-15.9	-25.2	-0.1	1.2
Unprocessed fuel to manufacturing industries.....	ID6	2221	1.016	4.3	2.8	1.0	-7.9	1.1	0.6
Unprocessed fuel to nonmanufacturing industries.....	ID6	2222	10.186	-13.3	12.5	-17.5	-27.2	-0.3	1.3
Services									
Services for intermediate demand.....	ID6	3	100.000	3.4	0.9	0.0	0.2	0.3	0.1
Trade services for intermediate demand ⁴	ID6	33	18.284	2.9	1.1	-1.6	0.1	-0.2	0.7
Trade services for manufacturing industries.....	ID6	331	9.046	2.2	2.2	-2.4	0.3	-0.2	0.4
Trade services for nonmanufacturing industries.....	ID6	332	9.238	3.6	0.0	-0.8	0.0	-0.3	0.9
Transportation and warehousing services for intermediate demand.....	ID6	32	14.025	3.9	-0.1	1.0	0.0	0.6	0.3
Transportation of passengers for intermediate demand.....	ID6	321	1.039	-2.2	-0.7	3.0	1.7	-3.5	-4.2
Transportation of passengers for manufacturing industries.....	ID6	3211	0.124	-2.3	-0.7	3.1	1.8	-3.6	-4.3
Transportation of passengers for nonmanufacturing industries.....	ID6	3212	0.915	-2.2	-0.7	3.0	1.7	-3.5	-4.2
Transportation and warehousing of goods for intermediate demand.....	ID6	322	12.986	4.4	0.0	0.8	-0.1	0.9	0.6
Transportation and warehousing of goods for manufacturing industries.....	ID6	3221	2.724	1.1	0.1	0.0	-0.1	1.0	-0.3
Transportation and warehousing of goods for nonmanufacturing industries.....	ID6	3222	10.262	5.3	-0.1	1.0	-0.1	0.9	0.9
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	67.691	3.4	1.0	0.2	0.3	0.4	0.0
Services less trade, transportation, and warehousing for manufacturing industries.....	ID6	311	2.126	4.3	1.9	-0.1	0.4	0.5	0.1
Services less trade, transportation, and warehousing for nonmanufacturing industries.....	ID6	312	65.565	3.4	1.0	0.2	0.3	0.4	-0.1
Construction									
Construction for intermediate demand.....	ID6	4	100.000	1.7	0.3	0.1	0.6	0.2	0.2
Special Groupings of Intermediate Demand by Commodity Type									
Processed materials less foods and feeds.....	ID6	9111	91.107	-0.7	0.0	1.5	-0.6	0.6	-1.6
Processed foods and feeds.....	ID6	9112	8.893	-0.9	-1.7	0.3	0.2	-0.2	0.3
Processed energy goods.....	ID6	9113	18.656	-1.7	-1.0	5.5	-1.4	1.9	-8.0
Processed materials less energy.....	ID6	9118	81.344	-0.5	0.1	0.4	-0.3	0.2	0.1
Processed materials less foods and energy.....	ID6	9115	72.451	-0.4	0.3	0.5	-0.3	0.3	0.1
Intermediate distributive services ⁷	ID6	9116	31.270	3.5	0.6	-0.6	0.0	0.2	0.7
Processed goods plus intermediate distributive services.....	ID6	9117	-	0.6	0.1	0.8	-0.4	0.5	-0.8
Unprocessed materials less agricultural products.....	ID6	9211	57.180	2.6	4.1	-1.0	-3.9	5.3	-3.9
Unprocessed energy materials ⁸	ID6	9212	37.534	3.0	6.4	-1.1	-5.4	6.9	-6.6
Unprocessed materials less energy.....	ID6	9213	62.466	-3.9	-1.4	0.3	1.1	-0.1	1.3
Unprocessed nonfood materials less energy ⁹	ID6	9216	24.801	-4.5	-1.3	-1.7	0.2	0.6	1.8
Intermediate Demand by Production Flow									
Stage 4 Intermediate Demand									
Stage 4 intermediate demand.....	ID5	4	100.000	2.3	0.6	0.1	0.2	0.4	-0.2
Inputs to stage 4 goods producers.....	ID5	41	29.667	0.3	0.5	-0.3	-0.1	0.3	0.4
Goods.....	ID5	411	21.624	-0.9	0.1	0.0	-0.3	0.1	0.3

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² May 2023 to May 2024 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P	Apr. to May ^P
Foods.....	ID5	4111	2.954	-6.2	-1.8	-2.0	0.2	-0.1	1.0
Energy.....	ID5	4112	0.170	-0.8	-1.5	0.0	-7.2	5.8	-0.9
Goods excluding foods and energy.....	ID5	4113	18.500	0.0	0.4	0.3	-0.3	0.1	0.2
Services.....	ID5	412	8.043	3.7	1.5	-1.1	0.3	0.6	0.4
Trade services.....	ID5	4123	6.035	3.7	1.9	-1.4	0.3	0.5	0.6
Transportation and warehousing services.....	ID5	4122	4.092	1.1	0.0	0.2	0.3	0.2	-0.8
Transportation of passengers.....	ID5	41221	0.076	-2.3	-0.7	3.1	1.8	-3.6	-4.3
Transportation and warehousing of goods.....	ID5	41222	0.416	1.7	0.2	-0.3	0.0	1.0	-0.2
Services less trade, transportation, and warehousing.....	ID5	4121	1.516	4.2	0.7	0.0	0.2	0.9	0.1
Inputs to stage 4 services producers.....	ID5	42	55.647	3.5	0.8	0.3	0.4	0.4	-0.4
Goods.....	ID5	421	13.690	0.9	-0.5	1.3	-0.1	0.6	-1.1
Foods.....	ID5	4211	2.275	2.5	-1.4	0.9	1.1	0.2	0.4
Energy.....	ID5	4212	4.008	-0.3	-1.5	3.6	-1.2	1.4	-4.2
Goods excluding foods and energy.....	ID5	4213	7.407	1.1	0.3	0.1	0.1	0.2	0.1
Services.....	ID5	422	41.904	4.3	1.3	0.0	0.5	0.4	-0.1
Trade services.....	ID5	4223	4.118	3.8	1.5	-0.8	0.2	0.4	0.6
Transportation and warehousing services.....	ID5	4222	3.751	4.1	0.0	1.8	0.4	0.2	-0.4
Transportation of passengers.....	ID5	42221	0.484	-2.3	-0.7	3.0	1.7	-3.6	-4.2
Transportation and warehousing of goods.....	ID5	42222	3.267	5.1	0.1	1.6	0.1	0.8	0.1
Services less trade, transportation, and warehousing.....	ID5	4221	34.035	4.4	1.4	0.0	0.6	0.4	-0.1
Construction.....	ID5	423	0.053	1.7	0.3	0.1	0.6	0.2	0.2
Inputs to stage 4 construction producers.....	ID5	43	14.686	1.8	0.3	0.1	0.0	0.3	-0.5
Goods.....	ID5	431	10.699	2.1	0.2	0.6	0.0	0.5	-0.7
Energy.....	ID5	4312	0.763	-1.5	-2.2	5.3	-1.8	3.6	-8.9
Goods excluding foods and energy.....	ID5	4313	9.936	2.4	0.4	0.2	0.2	0.2	0.0
Services.....	ID5	432	3.987	1.1	0.5	-1.4	-0.1	-0.1	0.1
Trade services.....	ID5	4323	1.737	0.2	1.1	-3.3	-0.4	-1.0	0.1
Transportation and warehousing services.....	ID5	4322	0.661	-0.3	-0.1	0.4	-0.3	0.6	-0.6
Transportation of passengers.....	ID5	43221	0.015	-2.3	-0.7	3.0	1.7	-3.6	-4.3
Transportation and warehousing of goods.....	ID5	43222	0.646	-0.2	-0.1	0.3	-0.4	0.7	-0.5
Services less trade, transportation, and warehousing.....	ID5	4321	1.589	2.5	0.2	-0.2	0.2	0.5	0.3
Stage 3 Intermediate Demand									
Stage 3 intermediate demand.....	ID5	3	100.000	0.6	0.3	0.9	-0.1	0.2	-0.7
Inputs to stage 3 goods producers.....	ID5	31	43.622	-1.6	0.5	0.7	-0.1	-0.2	-0.1
Goods.....	ID5	311	33.726	-2.0	0.1	1.6	-0.2	-0.1	-0.1
Foods.....	ID5	3111	10.039	-2.9	-1.3	3.6	1.4	-1.1	-0.5
Energy.....	ID5	3112	1.161	-1.4	0.4	-1.5	-1.0	1.3	-4.6
Goods excluding foods and energy.....	ID5	3113	22.526	-1.6	0.8	0.9	-0.8	0.2	0.3
Services.....	ID5	312	9.896	0.0	1.7	-2.4	0.3	-0.5	-0.2
Trade services.....	ID5	3123	5.529	-1.0	2.7	-4.4	0.5	-1.2	-0.1
Transportation and warehousing services.....	ID5	3122	2.903	0.2	0.2	0.4	-0.2	0.4	-0.5
Transportation of passengers.....	ID5	31221	0.148	-2.3	-0.7	3.1	1.8	-3.6	-4.3
Transportation and warehousing of goods.....	ID5	31222	2.755	0.3	0.2	0.2	-0.3	0.6	-0.3
Services less trade, transportation, and warehousing.....	ID5	3121	1.464	3.1	0.6	-0.2	0.3	0.5	0.2
Inputs to stage 3 services producers.....	ID5	32	55.201	2.3	0.2	1.1	-0.2	0.5	-1.1
Goods.....	ID5	321	9.933	-1.0	-0.3	5.4	-0.8	1.4	-7.7
Foods.....	ID5	3211	0.089	-2.4	-0.8	-0.5	-0.1	-0.4	0.2
Energy.....	ID5	3212	5.844	-2.8	-0.8	9.1	-1.5	2.0	-12.6
Goods excluding foods and energy.....	ID5	3213	4.000	1.5	0.3	0.3	0.3	0.5	0.1
Services.....	ID5	322	44.663	3.1	0.3	0.2	0.0	0.3	0.4
Trade services.....	ID5	3223	2.808	2.7	-1.3	-0.7	-0.1	-0.8	0.9
Transportation and warehousing services.....	ID5	3222	10.562	6.7	-0.2	1.1	-0.1	0.8	1.3
Transportation of passengers.....	ID5	32221	0.021	-0.1	-0.1	0.2	0.1	-0.2	-0.2
Transportation and warehousing of goods.....	ID5	32222	10.541	6.7	-0.2	1.1	-0.1	0.8	1.3
Services less trade, transportation, and warehousing.....	ID5	3221	31.293	2.0	0.6	0.0	0.0	0.3	0.0
Construction.....	ID5	323	0.605	1.7	0.3	0.1	0.6	0.2	0.2
Inputs to stage 3 construction producers.....	ID5	33	1.176	3.5	0.0	-0.2	-0.5	0.5	0.1
Goods.....	ID5	331	0.571	1.8	0.3	0.3	0.3	1.0	0.0
Goods excluding foods and energy.....	ID5	3313	0.571	1.8	0.3	0.3	0.3	1.0	0.0
Services.....	ID5	332	0.605	5.1	-0.3	-0.7	-1.3	0.1	0.3
Trade services.....	ID5	3323	0.558	5.4	-0.4	-0.7	-1.4	0.1	0.3
Transportation and warehousing services.....	ID5	3322	0.016	3.1	0.5	-0.9	0.1	1.2	0.2
Transportation and warehousing of goods.....	ID5	33222	0.016	3.1	0.5	-0.9	0.1	1.2	0.2
Services less trade, transportation, and warehousing.....	ID5	3321	0.031	1.7	1.1	-0.3	0.6	-0.1	-0.2
Stage 2 Intermediate Demand									

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² May 2023 to May 2024 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			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	1.3	1.2	0.0	-0.9	1.4	-0.8
Inputs to stage 2 goods producers.....	ID5	21	50.583	0.2	1.7	-0.7	-1.8	2.7	-1.8
Goods.....	ID5	211	35.955	-1.1	2.0	-0.9	-2.7	3.5	-2.6
Foods.....	ID5	2111	4.053	-13.4	-4.7	-5.7	-1.3	-0.7	1.7
Energy.....	ID5	2112	16.236	3.9	6.3	-1.1	-5.1	6.8	-6.5
Goods excluding foods and energy.....	ID5	2113	15.666	-2.6	-0.6	0.4	-0.6	1.2	0.5
Services.....	ID5	212	14.340	3.3	0.9	-0.1	0.5	0.7	0.2
Trade services.....	ID5	2123	5.608	3.8	1.3	-0.5	1.1	0.4	0.5
Transportation and warehousing services.....	ID5	2122	4.804	3.3	0.3	-0.2	0.2	1.4	0.1
Transportation of passengers.....	ID5	21221	0.178	-2.2	-0.6	2.9	1.7	-3.4	-4.1
Transportation and warehousing of goods.....	ID5	21222	4.626	3.6	0.4	-0.4	0.2	1.6	0.2
Services less trade, transportation, and warehousing.....	ID5	2121	3.928	2.3	0.8	0.5	0.2	0.2	-0.2
Construction.....	ID5	213	0.288	1.7	0.3	0.1	0.6	0.2	0.2
Inputs to stage 2 services producers.....	ID5	22	49.417	2.5	0.6	0.8	0.0	0.2	0.2
Goods.....	ID5	221	5.237	-0.7	-0.3	0.8	-0.3	0.3	-0.7
Foods.....	ID5	2211	0.050	-8.1	-0.8	-1.2	-0.4	-1.3	-0.4
Energy.....	ID5	2212	0.321	-4.1	0.2	7.8	-2.8	1.4	-10.4
Goods excluding foods and energy.....	ID5	2213	4.866	-0.4	-0.3	0.3	-0.2	0.2	0.0
Services.....	ID5	222	43.217	2.9	0.7	0.8	0.0	0.1	0.3
Trade services.....	ID5	2223	2.365	3.1	-2.8	-0.1	0.4	-2.9	4.1
Transportation and warehousing services.....	ID5	2222	2.944	7.2	-1.0	1.1	-0.9	0.9	3.0
Transportation of passengers.....	ID5	22221	0.414	-2.3	-0.7	3.0	1.7	-3.6	-4.2
Transportation and warehousing of goods.....	ID5	22222	2.530	8.8	-1.1	0.7	-1.4	1.7	4.2
Services less trade, transportation, and warehousing.....	ID5	2221	37.908	2.6	1.1	0.9	0.0	0.3	-0.1
Construction.....	ID5	223	0.963	1.7	0.3	0.1	0.6	0.2	0.2
Stage 1 Intermediate Demand									
Stage 1 intermediate demand.....	ID5	1	100.000	0.7	0.4	0.4	-0.2	0.3	-0.8
Inputs to stage 1 goods producers.....	ID5	11	32.332	-2.6	0.5	-0.2	-1.1	0.2	-0.2
Goods.....	ID5	111	23.262	-4.1	-0.3	0.7	-1.6	0.4	-0.3
Foods.....	ID5	1111	2.768	-14.3	-3.8	-3.8	1.0	-1.2	2.6
Energy.....	ID5	1112	3.428	-1.6	-0.1	4.0	-3.7	1.9	-4.7
Goods excluding foods and energy.....	ID5	1113	17.066	-2.8	0.2	0.7	-1.6	0.3	0.1
Services.....	ID5	112	9.069	1.6	2.5	-2.5	0.1	-0.2	0.1
Trade services.....	ID5	1123	5.496	-0.2	3.7	-4.3	0.0	-1.1	0.2
Transportation and warehousing services.....	ID5	1122	0.607	2.4	-0.6	0.5	0.7	0.8	-0.5
Transportation of passengers.....	ID5	11221	0.104	-2.3	-0.7	3.1	1.8	-3.6	-4.3
Transportation and warehousing of goods.....	ID5	11222	0.503	3.4	-0.6	0.0	0.5	1.7	0.3
Services less trade, transportation, and warehousing.....	ID5	1121	2.966	4.7	0.7	0.2	0.1	1.2	0.0
Construction.....	ID5	113	0.001	1.7	0.3	0.1	0.6	0.2	0.2
Inputs to stage 1 services producers.....	ID5	12	54.779	2.4	0.4	0.7	0.3	0.4	-1.1
Goods.....	ID5	121	16.052	-0.4	-0.2	2.3	-0.1	0.8	-3.4
Foods.....	ID5	1211	0.064	-12.5	0.0	13.1	-4.0	1.1	-6.0
Energy.....	ID5	1212	4.999	-4.3	-1.3	6.9	-0.5	2.0	-10.7
Goods excluding foods and energy.....	ID5	1213	10.989	1.6	0.3	0.2	0.1	0.2	0.2
Services.....	ID5	122	38.724	3.6	0.7	0.0	0.5	0.2	-0.1
Trade services.....	ID5	1223	3.825	2.6	-0.6	-1.1	-0.2	-0.5	1.0
Transportation and warehousing services.....	ID5	1222	4.432	2.2	-0.2	1.9	0.5	-0.8	-1.2
Transportation of passengers.....	ID5	12221	1.355	-2.3	-0.7	3.1	1.8	-3.6	-4.3
Transportation and warehousing of goods.....	ID5	12222	3.077	4.3	0.1	1.4	-0.1	0.5	0.2
Services less trade, transportation, and warehousing.....	ID5	1221	30.467	4.0	1.0	-0.1	0.6	0.5	0.0
Construction.....	ID5	123	0.003	1.7	0.3	0.1	0.6	0.2	0.2
Inputs to stage 1 construction producers.....	ID5	13	12.891	2.0	0.1	0.6	-0.1	0.3	-1.1
Goods.....	ID5	131	9.196	1.5	0.3	1.1	0.3	0.4	-1.6
Energy.....	ID5	1312	0.752	-10.4	-0.9	11.1	0.3	2.6	-19.5
Goods excluding foods and energy.....	ID5	1313	8.444	2.6	0.4	0.2	0.3	0.2	0.1
Services.....	ID5	132	3.695	3.4	-0.3	-0.6	-1.0	0.0	0.2
Trade services.....	ID5	1323	2.816	4.7	-0.3	-0.9	-1.2	-0.1	0.4
Transportation and warehousing services.....	ID5	1322	0.783	-0.8	-0.2	0.7	-0.4	0.6	-0.6
Transportation and warehousing of goods.....	ID5	13222	0.783	-0.8	-0.2	0.7	-0.4	0.6	-0.6
Services less trade, transportation, and warehousing.....	ID5	1321	0.096	3.3	0.7	-0.6	0.4	0.4	0.8
Special Groupings of Intermediate Demand by Production Flow									
Total goods inputs to stage 4 intermediate demand.....	ID5	9411	46.013	0.3	-0.1	0.5	-0.2	0.4	-0.4
Total services inputs to stage 4 intermediate demand.....	ID5	9412	53.934	4.0	1.2	-0.2	0.4	0.4	0.0
Total construction inputs to stage 4 intermediate demand.....	ID5	9413	0.053	1.8	0.3	0.1	0.6	0.2	0.2
Total foods inputs to stage 4 intermediate demand.....	ID5	9414	5.229	-2.5	-1.7	-0.8	0.6	0.1	0.7

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² May 2023 to May 2024 ^p	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			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	4.941	-0.5	-1.6	3.8	-1.5	1.9	-4.9
Total goods less foods and energy inputs to stage 4 intermediate demand.	ID5	9416	35.843	0.9	0.4	0.3	-0.1	0.2	0.2
Total goods inputs to stage 3 intermediate demand.....	ID5	9311	44.230	-1.8	0.0	2.4	-0.3	0.2	-1.8
Total services inputs to stage 3 intermediate demand.....	ID5	9312	55.164	2.5	0.6	-0.3	0.0	0.2	0.3
Total construction inputs to stage 3 intermediate demand.....	ID5	9313	0.605	1.8	0.3	0.1	0.6	0.2	0.2
Total foods inputs to stage 3 intermediate demand.....	ID5	9314	10.128	-2.9	-1.3	3.6	1.4	-1.1	-0.5
Total energy goods inputs to stage 3 intermediate demand.....	ID5	9315	7.005	-2.5	-0.6	7.3	-1.5	1.9	-11.4
Total goods less foods and energy inputs to stage 3 intermediate demand.	ID5	9316	27.097	-1.1	0.7	0.8	-0.6	0.3	0.3
Total goods inputs to stage 2 intermediate demand.....	ID5	9211	41.192	-1.0	1.7	-0.7	-2.4	3.1	-2.4
Total services inputs to stage 2 intermediate demand.....	ID5	9212	57.557	3.0	0.8	0.6	0.1	0.3	0.3
Total construction inputs to stage 2 intermediate demand.....	ID5	9213	1.251	1.8	0.3	0.1	0.6	0.2	0.2
Total foods inputs to stage 2 intermediate demand.....	ID5	9214	4.103	-13.3	-4.7	-5.7	-1.3	-0.7	1.6
Total energy goods inputs to stage 2 intermediate demand.....	ID5	9215	16.557	3.7	6.1	-0.9	-5.0	6.7	-6.6
Total goods less foods and energy inputs to stage 2 intermediate demand.	ID5	9216	20.532	-2.1	-0.6	0.4	-0.5	0.9	0.4
Total goods inputs to stage 1 intermediate demand.....	ID5	9111	48.510	-1.9	-0.2	1.3	-0.7	0.5	-1.6
Total services inputs to stage 1 intermediate demand.....	ID5	9112	51.488	3.2	1.0	-0.5	0.3	0.1	0.0
Total construction inputs to stage 1 intermediate demand.....	ID5	9117	0.004	1.8	0.3	0.1	0.6	0.2	0.2
Total foods inputs to stage 1 intermediate demand.....	ID5	9114	2.832	-14.2	-3.7	-3.4	0.8	-1.1	2.4
Total energy goods inputs to stage 1 intermediate demand.....	ID5	9115	9.179	-3.8	-0.8	6.1	-1.6	2.0	-9.3
Total goods less foods and energy inputs to stage 1 intermediate demand.	ID5	9116	36.499	-0.3	0.3	0.4	-0.6	0.3	0.2

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.

⁵ 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.

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.

^p Preliminary

"/" Data not available.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2023 to May 2024 ^P	Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P
Final Demand								
Final demand.....	FD	4	2.2	0.4	0.6	-0.1	0.5	-0.2
Final demand goods.....	FD	41	1.6	-0.1	1.1	-0.1	0.4	-0.8
Final demand foods.....	FD	411	1.3	-0.3	1.0	0.4	-0.6	-0.1
Fresh fruits and melons ²	01	11	-7.3	3.7	-12.7	-7.9	7.0	-2.1
Fresh and dry vegetables ²	01	13	-7.0	9.6	8.9	15.3	-18.7	2.8
Grains.....	01	2	-26.6	-5.2	-8.3	2.6	-4.1	7.9
Eggs for fresh use ²	01	7107	70.5	14.6	55.0	-29.8	11.2	-34.8
Oilseeds.....	01	8301	-15.9	-9.2	-8.9	0.4	-1.0	4.7
Bakery products ²	02	11	2.9	0.1	0.7	0.2	0.0	0.0
Milled rice ²	02	13	-6.7	-0.8	0.1	0.7	0.5	-0.1
Pasta products ²	02	1402	-3.2	-1.8	-0.6	0.0	0.0	0.0
Beef and veal.....	02	2101	0.0	-4.4	4.9	1.2	-5.9	-1.6
Pork.....	02	2104	20.8	-5.8	-0.2	-0.9	-0.5	2.4
Processed young chickens.....	02	2203	9.5	-2.1	-1.6	2.4	1.5	0.3
Processed turkeys ²	02	2206	-18.5	4.3	-2.9	0.4	-0.8	1.2
Finfish and shellfish.....	02	23	-1.4	5.7	-4.8	2.0	2.8	-0.6
Dairy products ²	02	3	2.1	-1.3	1.2	1.0	-0.3	1.7
Processed fruits and vegetables ²	02	4	5.0	0.6	0.0	-0.9	0.2	0.5
Confectionery end products ²	02	55	2.7	0.3	0.8	0.3	0.5	0.0
Soft drinks ²	02	62	2.9	3.0	2.0	0.2	-0.2	0.3
Roasted coffee ²	02	6301	4.9	-0.2	-0.2	-0.1	-0.7	-0.2
Shortening and cooking oils ²	02	78	-2.4	-0.9	0.3	1.5	0.1	-2.3
Frozen specialty food ²	02	85	0.3	0.7	0.2	-0.1	-0.1	-0.1
Final demand energy.....	FD	412	1.8	-1.1	3.9	-1.3	2.0	-4.8
Liquefied petroleum gas ²	05	32	25.1	3.5	-0.3	0.1	5.7	-2.7
Residential electric power.....	05	41	4.2	-0.3	0.3	0.7	0.5	-0.1
Residential natural gas.....	05	51	-1.3	1.4	0.8	-1.4	-3.2	0.4
Gasoline.....	05	71	0.9	-3.4	6.3	-3.0	5.0	-7.1
Home heating oil and distillates.....	05	7302	6.4	-0.6	-1.7	-2.7	2.0	-7.3
No. 2 diesel fuel.....	05	7303	-13.1	-0.7	14.9	1.8	2.8	-24.5
Final demand goods less foods and energy.....	FD	413	1.7	0.3	0.3	0.0	0.2	0.3
Alcoholic beverages.....	02	61	0.5	0.0	-0.2	-0.2	0.2	-0.2
Pet food ²	02	9402	0.1	-0.2	0.5	0.0	0.0	0.0
Women's, girls', and infants' apparel ²	03	8106	1.6	2.2	0.0	0.0	0.0	0.0
Men's and boys' apparel ²	03	8107	0.0	0.9	0.3	0.0	-0.3	0.0
Textile housefurnishings ²	03	82	1.4	0.0	1.0	-0.2	0.2	0.6
Footwear ²	04	3	1.9	0.2	0.6	0.0	0.8	0.0
Industrial chemicals.....	06	1	-6.8	-3.1	2.1	0.1	1.2	-1.1
Pharmaceutical preparations.....	06	38	1.6	-0.4	0.2	0.1	0.2	0.2
Soaps and detergents ²	06	71	1.9	0.1	0.4	0.1	0.2	0.1
Cleaning and polishing products ²	06	72	0.6	0.1	0.4	0.1	0.1	0.0
Cosmetics and other toiletries ²	06	75	1.3	0.0	0.6	0.1	0.0	0.1
Tires ²	07	1201	-1.3	0.1	0.0	-0.1	0.0	-0.5
Consumer, institutional, and commercial products, n.e.c. ²	07	2B	0.3	0.0	0.1	0.3	0.2	-0.1
Sanitary paper products ²	09	1501	-2.9	-0.2	0.2	-0.6	0.2	0.2
Iron and steel scrap.....	10	12	-13.2	-3.9	-3.7	-15.6	4.1	1.0
Agricultural machinery and equipment ²	11	1	1.5	0.0	0.1	0.5	0.3	-0.2
Construction machinery and equipment ²	11	2	3.8	0.5	0.2	0.0	0.2	0.0
Metal cutting machine tools ²	11	37	1.1	0.2	0.1	0.0	0.0	0.3
Metal forming machine tools.....	11	38	8.6	0.4	0.9	0.6	0.6	-1.5
Tools, dies, jigs, fixtures, and industrial molds ²	11	39	6.1	3.0	0.3	0.0	0.2	0.5
Pumps, compressors, and equipment ²	11	41	5.4	1.1	0.4	0.7	0.0	0.4
Industrial material handling equipment ²	11	44	4.4	1.5	0.1	0.1	1.7	0.1
Electronic computers and computer equipment ²	11	5	-0.4	0.0	-0.1	-0.1	0.6	-1.2
Textile machinery and equipment ²	11	62	0.0	0.0	0.0	0.0	0.0	0.0
Paper industries machinery ²	11	64	3.4	0.7	0.3	0.6	0.1	0.0
Printing trades machinery and equipment ²	11	65	1.5	-0.1	-0.6	0.5	-0.2	-0.3
Transformers and power regulators ²	11	74	2.5	0.7	0.0	0.4	-1.0	0.0
Communication and related equipment.....	11	76	4.2	2.1	0.5	0.5	-0.2	0.2
Electronic components and accessories.....	11	78	1.3	0.5	0.0	0.0	0.3	-0.8
X-ray and electromedical equipment ²	11	7905	1.7	0.1	0.5	0.0	0.0	0.0
Oil field and gas field machinery ²	11	91	3.9	1.7	0.0	0.0	0.0	0.0
Mining machinery and equipment ²	11	92	7.1	0.2	1.4	0.0	0.6	0.0
Internal combustion engines ²	11	94	4.6	2.0	0.0	0.0	0.4	0.1

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2023 to May 2024 ^P	Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P
Household furniture ²	12	1	-0.2	0.1	-0.1	0.3	0.2	0.6
Commercial furniture ²	12	2	2.3	0.3	1.4	0.2	-0.2	0.3
Floor coverings ²	12	3	0.8	1.5	-1.4	1.4	-0.4	0.0
Household appliances ²	12	4	-0.2	0.0	-0.3	0.2	-0.1	-0.5
Home electronic equipment ²	12	5	1.6	0.0	0.0	1.9	0.0	-0.4
Lawn and garden equipment excl. garden tractors ²	12	66	1.9	0.1	-0.1	0.2	0.0	0.0
Passenger cars.....	14	1101	-2.0	0.0	0.2	0.3	0.2	-0.3
Light motor trucks.....	14	1105	1.3	0.2	0.3	0.4	-0.1	-0.1
Heavy motor trucks ²	14	1106	1.8	0.6	0.0	0.0	0.0	0.2
Motor vehicles parts ²	14	12	0.9	0.2	0.1	0.1	0.1	0.0
Truck trailers ²	14	14	-1.5	-0.3	0.6	-0.1	-0.4	0.0
Travel trailers and campers ²	14	16	0.6	0.0	0.0	0.0	0.0	0.0
Aircraft.....	14	21	3.9	0.5	0.2	0.1	0.1	0.1
Ships ²	14	31	2.1	0.0	0.3	0.0	0.3	0.2
Railroad equipment ²	14	4	0.9	0.1	0.1	0.1	0.0	0.0
Toys, games, and children's vehicles ²	15	11	0.2	0.1	0.0	0.0	0.0	0.0
Sporting and athletic goods ²	15	12	13.6	1.2	0.3	2.0	0.0	2.0
Cigarettes ²	15	21	12.7	0.8	2.4	0.0	0.0	3.3
Mobile homes.....	15	5	-0.6	0.3	0.0	-0.4	-0.8	0.0
Medical, surgical & personal aid devices.....	15	6	3.2	0.6	0.5	0.2	0.4	0.2
Jewelry, platinum and karat gold ²	15	9402	5.9	0.5	-0.2	1.9	2.3	1.1
Costume jewelry and novelties ²	15	9404	-0.4	0.6	0.0	0.0	0.0	-1.1
Final demand services.....	FD	42	2.6	0.6	0.4	0.0	0.6	0.0
Final demand trade services ³	FD	423	-0.6	0.1	0.3	-0.8	0.6	0.2
Machinery and equipment parts and supplies wholesaling ²	57	1102	7.6	1.4	0.3	-0.4	1.5	1.6
Machinery and vehicle wholesaling ²	57	1103	-1.1	4.7	1.4	-2.6	6.8	-4.5
Professional and commercial equipment wholesaling ²	57	1104	-7.5	0.1	1.1	-2.8	1.1	-7.0
Furnishings wholesaling ²	57	2	2.2	0.3	0.2	3.1	0.1	-0.9
Chemicals and allied products wholesaling ²	57	5	2.0	10.4	-3.9	-1.8	0.1	0.6
Paper and plastics products wholesaling ²	57	6	-2.9	-1.2	-2.4	-0.5	0.3	-0.6
Apparel wholesaling ²	57	7	0.7	1.4	-3.3	7.2	-6.2	0.0
Food and alcohol wholesaling ²	57	8	5.1	0.8	1.2	3.0	1.7	-0.4
Food and alcohol retailing.....	58	1	3.9	0.0	0.9	-0.1	0.9	2.5
Health, beauty, and optical goods retailing ²	58	2	1.5	3.4	1.2	-3.6	0.2	-0.9
Apparel, jewelry, footwear, and accessories retailing.....	58	3	2.8	-2.0	1.4	0.7	-1.6	1.0
Computer hardware, software, and supplies retailing ²	58	4	-13.3	-24.0	-8.5	12.5	12.4	3.2
TV, video, and photographic equipment and supplies retailing.....	58	5	7.3	3.1	-3.4	-6.3	-2.2	7.2
Automobiles retailing (partial).....	58	6101	-33.4	-10.4	-1.8	-4.4	-2.3	2.7
Automotive parts, including tires, retailing ²	58	6102	0.1	0.1	-2.0	-1.7	-2.0	0.6
RVs, trailers, and campers retailing ²	58	8	-18.5	-8.9	14.4	3.8	-10.0	-1.0
Sporting goods, including boats, retailing.....	58	9	7.0	4.8	-2.4	-0.7	4.1	3.0
Lawn, garden, and farm equipment and supplies retailing ²	58	A	3.5	-0.7	-1.6	1.0	0.1	0.9
Furniture retailing ²	58	B	-8.6	-0.6	2.0	-2.0	-2.8	2.0
Flooring and floor coverings retailing ²	58	C	1.3	2.3	2.0	-1.0	-0.1	-0.3
Hardware, building materials, and supplies retailing.....	58	D	12.4	-1.3	-0.1	-2.2	1.3	-0.3
Major household appliances retailing.....	58	E	-1.3	-4.9	6.6	-6.4	-1.5	3.4
Fuels and lubricants retailing.....	58	F	-1.7	-7.9	-0.5	2.5	-10.2	12.2
Cleaning supplies and paper products retailing ²	58	G	5.0	2.2	-0.8	-0.5	-0.5	1.6
Book retailing ²	58	H	0.6	3.7	-3.4	2.8	-1.4	0.2
Final demand transportation and warehousing services.....	FD	422	-0.3	-0.2	1.2	0.2	-0.5	-1.4
Rail transportation of freight and mail ²	30	11	2.9	1.1	-1.4	-0.1	0.9	0.2
Truck transportation of freight ²	30	12	-1.0	-0.2	0.7	-0.5	0.6	-0.6
Air transportation of freight ²	30	14	4.3	-3.4	-0.1	1.2	3.8	-0.3
Courier, messenger, and U.S. postal services.....	30	16	5.9	0.3	1.3	0.0	0.3	0.4
Rail transportation of passengers.....	30	21	0.0	-0.1	0.0	0.0	0.0	0.0
Airline passenger services.....	30	22	-2.3	-0.7	3.1	1.8	-3.6	-4.3
Final demand services less trade, transportation, and warehousing.....	FD	421	4.5	0.9	0.3	0.3	0.7	0.1
Sales of books.....	33	11	7.8	0.8	1.9	-0.3	0.2	0.6
Sales and subscriptions of periodicals and newspapers.....	33	12	2.3	-0.3	0.8	-0.4	0.1	0.2
Application software publishing ²	34	2	4.2	1.2	-0.7	-0.3	0.5	0.5
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-0.6	0.1	0.2	0.0	0.4	0.1
Residential wired telecommunication services ²	37	11	1.9	0.2	-0.1	0.0	0.3	0.1
Wireless telecommunication services.....	37	2	0.2	0.1	0.0	0.1	0.1	-0.4
Cable and satellite subscriber services.....	37	3	5.1	0.8	0.8	-1.1	1.4	0.7
Internet access services ²	37	4	0.9	0.8	0.5	0.0	0.5	0.2

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2023 to May 2024 ^P	Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P
Bundled wired telecommunications access services ²	37	5	3.6	1.6	0.4	-0.3	3.1	-0.8
Consumer loans (partial).....	39	12	12.9	0.6	3.0	1.7	2.7	-0.7
Deposit services (partial) ²	39	2	19.3	0.9	1.1	2.7	-0.2	0.4
Other credit intermediation, incl. trust services (partial) ²	39	3	-2.7	0.0	1.3	0.0	-3.4	0.8
Securities brokerage, dealing, investment advice, and related services ² ...	40	1	7.0	0.7	0.7	2.5	-0.1	-0.3
Portfolio management ²	40	2	15.9	6.8	0.1	0.7	4.4	-1.8
Life insurance ²	41	1101	-2.1	-0.5	-0.3	0.0	-0.7	0.0
Disability insurance, including accidental death ²	41	1102	-0.5	-0.5	0.0	0.0	0.0	0.0
Health and medical insurance.....	41	1103	4.4	2.0	0.2	0.2	0.2	0.2
Property and casualty insurance ²	41	1104	7.3	0.4	0.4	0.4	0.2	0.7
Annuities ²	41	2	0.7	0.2	0.0	0.0	0.4	0.0
Residential property sales and leases, brokerage fees and commissions..	43	21	5.2	-0.2	-0.1	0.0	1.0	0.5
Passenger car rental.....	44	1	-0.3	-3.0	-2.0	4.1	1.7	-0.4
Legal services.....	45	1	8.3	2.2	0.6	0.1	1.6	0.3
Tax preparation and planning.....	45	2102	4.4	0.0	3.5	1.0	0.5	0.5
Architectural and engineering services.....	45	3	2.8	0.0	0.0	0.0	0.7	0.3
Management, scientific, and technical consulting services ²	45	4	5.1	-0.2	-0.4	0.2	1.6	0.0
Arrangement of flights (partial).....	47	1	-0.5	-3.4	0.0	-0.3	0.6	0.1
Arrangement of vehicle rentals and lodging ²	47	2	5.7	8.4	0.1	-0.1	1.1	-0.1
Arrangement of cruises and tours ²	47	3	5.8	-0.9	1.6	-1.3	0.3	0.9
Physician care.....	51	1101	1.5	0.6	0.0	0.2	0.2	0.0
Medical laboratory and diagnostic imaging care ²	51	1102	0.4	0.0	0.0	0.2	0.1	0.0
Home health and hospice care.....	51	1103	2.6	-0.2	0.1	0.0	0.1	0.1
Hospital outpatient care ²	51	1104	4.3	1.4	0.5	0.1	-0.2	0.5
Dental care.....	51	1105	5.0	0.0	1.4	-0.1	2.0	0.7
Hospital inpatient care.....	51	2101	4.5	0.7	0.3	0.0	0.1	0.3
Nursing home care.....	51	2102	3.7	0.3	0.0	0.2	0.3	0.3
Traveler accommodation services.....	53	11	-0.8	3.0	-1.1	-1.3	2.6	-0.5
Food and beverages for immediate consumption services (partial) ²	54	1	3.9	0.1	0.5	1.2	0.3	-0.6
Motor vehicle repair and maintenance (partial) ²	55	2	4.4	0.4	0.5	0.4	0.9	0.1
Membership dues and admissions and recreation facility use fees (partial) ²	56	1	4.9	0.1	0.1	1.7	-0.4	-1.6
Recreational activity instruction fees (partial) ²	56	2	0.8	0.6	0.0	0.0	0.0	0.0
Gaming receipts (partial) ²	56	3	1.4	-1.6	0.2	2.1	-3.0	1.7
Mining services ²	60	1	2.9	-0.2	0.4	-0.9	1.6	0.0
Final demand construction.....	FD	43	-0.9	0.3	0.0	0.1	0.2	0.0
New warehouse building construction ²	80	1101	-0.4	0.2	0.2	0.1	0.4	-0.1
New school building construction ²	80	1102	-0.9	0.5	0.0	-0.1	0.3	-0.2
New office building construction ²	80	1103	-1.4	0.2	0.0	0.4	0.1	0.0
New industrial building construction ²	80	1104	-0.5	0.4	-0.1	0.1	-0.2	0.0
New health care building construction ²	80	1105	-1.5	0.2	0.0	-0.3	0.0	0.0
Intermediate Demand by Commodity Type								
Processed goods for intermediate demand.....	ID6	1	-0.7	-0.1	1.4	-0.5	0.5	-1.5
Processed foods and feeds.....	ID6	9112	-0.9	-1.7	0.3	0.2	-0.2	0.3
Meats.....	02	21	5.4	-3.6	2.3	0.6	-2.2	-0.7
Processed poultry.....	02	22	7.4	-1.2	0.4	4.1	2.6	2.1
Dairy products ²	02	3	2.1	-1.3	1.2	1.0	-0.3	1.7
Processed fruits and vegetables ²	02	4	5.0	0.6	0.0	-0.9	0.2	0.5
Refined sugar and byproducts ²	02	53	17.9	2.6	8.7	1.7	-0.1	0.2
Fats and oils ²	02	7	-7.0	-3.0	-2.1	-0.1	-0.7	-0.3
Prepared animal feeds.....	02	9	-8.7	-2.5	-2.4	-2.0	-0.5	0.2
Processed materials less foods and feeds.....	ID6	9111	-0.7	0.0	1.5	-0.6	0.6	-1.6
Synthetic fibers ²	03	1	5.4	-1.6	0.4	3.8	-1.8	3.7
Processed yarns and threads ²	03	2	-0.3	0.4	-0.3	0.3	0.3	-0.1
Finished fabrics ²	03	4	-0.2	0.1	-0.6	0.4	0.3	-0.1
Liquefied petroleum gas ²	05	32	25.1	3.5	-0.3	0.1	5.7	-2.7
Commercial electric power.....	05	42	1.5	-1.8	2.7	-1.0	1.2	-1.5
Industrial electric power.....	05	43	0.3	-2.0	2.0	-0.5	1.2	-3.1
Commercial natural gas.....	05	52	-1.3	-0.2	2.1	0.4	-3.2	-3.8
Industrial natural gas.....	05	53	-4.8	3.6	-0.7	-0.2	-3.4	-5.3
Natural gas to electric utilities.....	05	54	-1.9	4.8	7.3	-6.7	-2.0	-3.4
Gasoline.....	05	71	0.9	-3.4	6.3	-3.0	5.0	-7.1
Jet fuel ²	05	7203	10.8	0.4	9.8	-5.4	0.3	-5.6
No. 2 diesel fuel.....	05	7303	-13.1	-0.7	14.9	1.8	2.8	-24.5
Residual fuels ²	05	74	9.3	-0.2	1.8	0.5	1.1	6.5

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P	Apr. to May ^P
Finished lubricants ²	05	76	-0.2	0.3	-0.2	-0.9	0.0	0.0
Lubricating oil base stocks ²	05	78	-5.1	-3.6	-0.4	-4.7	-7.6	4.3
Asphalt.....	05	8102	5.2	2.7	-13.7	8.8	-4.6	3.2
Basic inorganic chemicals ²	06	13	-8.5	-1.1	-1.0	0.2	-0.1	1.6
Basic organic chemicals.....	06	14	-6.4	-3.6	2.9	0.1	1.5	-1.6
Prepared paint ²	06	21	-1.3	0.1	-0.2	-0.1	-0.2	0.1
Paint materials ²	06	22	-7.2	-0.5	0.3	0.2	0.1	-3.7
Medicinal and botanical chemicals ²	06	31	5.0	0.4	3.9	0.1	0.2	0.0
Biological products, including diagnostics.....	06	37	1.5	-0.9	-0.4	0.5	0.3	-0.1
Fats and oils, inedible ²	06	4	4.0	17.2	-5.0	-0.7	-0.4	-1.5
Nitrogenates.....	06	5201	-6.0	-3.4	-6.1	4.2	-1.2	0.1
Phosphates.....	06	5202	-6.7	3.9	0.8	-1.6	-1.8	-6.4
Other agricultural chemicals ²	06	53	-9.8	-0.3	0.0	0.1	0.1	0.2
Plastic resins and materials.....	06	6	-4.6	-0.6	0.8	-1.4	1.4	0.3
Industrial gases ²	06	7903	-2.9	2.3	-4.7	3.3	1.6	-4.5
Adhesives and sealants ²	06	7904	-0.3	0.1	-0.5	0.6	0.0	0.0
Synthetic rubber ²	07	1102	2.9	-1.6	1.2	3.6	4.3	2.0
Tires ²	07	1201	-1.3	0.1	0.0	-0.1	0.0	-0.5
Plastic construction products ²	07	21	-0.6	0.5	-0.2	0.0	0.6	-0.3
Unsupported plastic film, sheet, other shapes ²	07	22	-3.4	-1.1	0.7	0.1	1.1	-0.1
Parts for manufacturing from plastics ²	07	26	-0.1	0.1	0.0	0.8	0.0	0.0
Plastic packaging products ²	07	2A	-1.3	0.8	-0.5	0.3	0.6	-0.4
Softwood lumber.....	08	11	-8.1	-1.7	-3.2	1.9	5.7	-5.0
Hardwood lumber ²	08	12	1.8	0.1	-0.1	-1.3	1.7	0.9
Millwork.....	08	2	-0.2	-0.1	1.2	-0.6	0.3	-0.6
Plywood ²	08	3	1.9	-0.1	-1.2	-0.2	1.3	-0.4
Paper ²	09	13	0.5	0.3	0.3	-0.2	0.6	0.7
Paperboard ²	09	14	-1.6	0.7	-0.2	0.2	0.5	0.3
Paper boxes and containers ²	09	1503	-2.0	-0.5	0.0	-0.3	0.6	0.8
Building paper and board ²	09	2	20.6	0.1	-0.5	7.0	17.6	-5.6
Commercial printing ²	09	47	1.6	0.8	0.2	0.1	-0.2	0.2
Foundry and forge shop products ²	10	15	0.8	0.7	0.6	0.4	-0.3	-0.2
Steel mill products ²	10	17	-13.8	5.3	3.5	-8.1	-2.6	0.5
Primary nonferrous metals ²	10	22	10.5	0.6	2.4	1.1	3.2	6.3
Secondary nonferrous metals ²	10	24	2.3	0.2	-0.9	2.7	2.5	4.5
Aluminum mill shapes ²	10	2501	-0.6	-0.7	0.2	-0.5	0.6	4.4
Copper and brass mill shapes ²	10	2502	9.6	0.8	-0.2	1.8	4.4	4.5
Nonferrous wire and cable ²	10	26	10.4	-0.1	0.2	0.6	3.0	6.4
Nonferrous foundry shop products.....	10	28	3.2	0.0	0.9	0.2	-0.2	1.1
Metal containers ²	10	3	-2.9	0.4	0.2	-0.4	-0.1	0.2
Hardware ²	10	4	-0.6	-0.3	0.5	-0.5	-0.1	0.1
Plumbing fixtures and brass fittings.....	10	5	1.5	0.6	-0.3	0.2	0.1	0.2
Heating equipment ²	10	6	2.5	0.1	0.2	0.9	0.5	-0.2
Fabricated structural metal products.....	10	7	1.9	0.8	-0.5	-0.9	-0.2	-0.1
Bolts, nuts, screws, rivets, and washers ²	10	81	8.4	1.8	1.7	0.5	0.7	-0.1
Lighting fixtures ²	10	83	2.6	0.0	0.5	0.7	-0.1	0.8
Fabricated ferrous wire products.....	10	88	-5.2	0.2	0.0	-0.3	-0.4	-0.4
Other miscellaneous metal products ²	10	89	1.7	0.4	0.2	0.1	0.3	0.1
Fluid power equipment ²	11	43	4.4	1.0	0.3	-0.1	1.6	0.5
Mechanical power transmission equipment ²	11	45	3.6	0.4	0.6	0.6	0.0	0.2
Air conditioning and refrigeration equipment.....	11	48	2.4	-1.1	1.2	-0.8	0.8	0.8
Metal valves, except fluid power.....	11	4902	2.4	-1.3	0.4	0.5	0.2	-0.3
Ball and roller bearings ²	11	4905	3.1	0.3	2.5	0.5	0.0	-0.2
Wiring devices ²	11	71	-0.4	-0.6	0.6	-0.1	-0.2	0.3
Motors, generators, motor generator sets ²	11	73	4.1	0.5	0.0	1.2	0.0	0.0
Switchgear, switchboard, and industrial controls equip. ²	11	75	7.1	1.2	0.5	0.7	0.1	0.6
Electronic components and accessories.....	11	78	1.3	0.5	0.0	0.0	0.3	-0.8
Internal combustion engines ²	11	94	4.6	2.0	0.0	0.0	0.4	0.1
Machine shop products ²	11	95	1.5	0.2	0.9	0.1	0.1	0.2
Flat glass ²	13	11	0.9	0.5	0.1	0.1	-0.1	0.2
Cement.....	13	22	6.8	0.3	0.3	1.4	0.0	0.4
Concrete products.....	13	3	5.0	0.9	0.8	0.9	-0.7	-0.1
Asphalt felts and coatings ²	13	6	3.9	-0.3	0.9	0.1	-1.8	2.3
Paving mixtures and blocks.....	13	94	2.4	-0.2	-0.4	1.0	0.1	-1.2
Motor vehicle parts ²	14	12	0.9	0.2	0.1	0.1	0.1	0.0
Aircraft engines and engine parts.....	14	23	3.7	0.5	0.7	0.1	0.2	0.3

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2023 to May 2024 ^P	Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	2.6	0.2	0.3	0.1	1.1	0.1
Medical, surgical, and personal aid devices.....	15	6	3.2	0.6	0.5	0.2	0.4	0.2
Unprocessed goods for intermediate demand.....	ID6	2	-1.6	1.6	-0.3	-1.5	2.5	-1.8
Unprocessed foodstuffs and feedstuffs.....	ID6	21	-3.5	-1.5	1.6	1.6	-0.6	1.0
Wheat ²	01	21	-14.0	-2.8	-5.2	-0.8	-2.1	18.3
Corn.....	01	2202	-29.0	-6.5	-9.2	4.1	-4.9	6.7
Slaughter cattle.....	01	31	15.4	1.3	1.6	7.7	-2.5	5.5
Slaughter hogs.....	01	32	17.7	-2.9	35.6	4.6	22.4	-10.8
Slaughter chickens.....	01	4102	-8.0	-3.3	2.0	-4.1	-5.3	-2.6
Slaughter turkeys.....	01	42	-33.1	14.1	-7.5	0.3	-12.9	8.1
Raw milk.....	01	6	2.2	1.1	5.1	0.1	-2.3	-1.4
Hay and hayseeds ²	01	81	-1.2	-2.0	-3.4	2.2	5.2	28.1
Oilseeds.....	01	8301	-15.9	-9.2	-8.9	0.4	-1.0	4.7
Raw cane sugar and byproducts ²	02	5201	8.8	-1.8	0.7	1.3	0.0	0.1
Unprocessed nonfood materials.....	ID6	22	-0.3	3.4	-1.5	-3.4	4.4	-3.4
Raw cotton ²	01	51	-14.1	-0.4	12.7	1.3	-11.5	-15.6
Hides and skins.....	04	1	-16.3	0.0	-7.1	1.1	1.9	1.4
Coal ²	05	1	7.9	0.4	6.2	-3.7	1.4	0.5
Natural gas ²	05	31	-22.5	16.5	-24.2	-36.5	-1.3	1.7
Crude petroleum ²	05	61	7.6	4.4	5.4	1.7	8.9	-8.7
Logs, bolts, timber, pulpwood, and woodchips ²	08	5	-4.1	0.1	-0.5	-0.2	-1.8	-0.2
Recyclable paper ²	09	12	87.4	8.0	12.8	11.4	-0.6	1.2
Iron ores ²	10	11	-1.4	0.6	0.7	-1.3	-0.4	0.0
Iron and steel scrap.....	10	12	-13.2	-3.9	-3.7	-15.6	4.1	1.0
Nonferrous metal ores ²	10	21	1.8	-1.0	-1.0	2.8	2.9	2.3
Copper base scrap ²	10	2301	20.9	-0.4	1.6	4.1	6.1	9.8
Aluminum base scrap.....	10	2302	23.8	-0.7	2.1	-1.3	2.0	18.0
Construction sand, gravel, and crushed stone.....	13	21	7.3	2.9	-0.1	0.3	0.6	0.2
Services for intermediate demand.....	ID6	3	3.4	0.9	0.0	0.2	0.3	0.1
Trade services for intermediate demand ³	ID6	33	2.9	1.1	-1.6	0.1	-0.2	0.7
Machinery and equipment parts and supplies wholesaling ²	57	1102	7.6	1.4	0.3	-0.4	1.5	1.6
Building materials, paint, and hardware wholesaling.....	57	3	-3.6	2.6	-0.8	-1.7	0.3	-0.1
Metals, minerals, and ores wholesaling ²	57	4	-8.8	5.5	-14.7	2.7	-6.2	-1.6
Chemicals and allied products wholesaling ²	57	5	2.0	10.4	-3.9	-1.8	0.1	0.6
Paper and plastics products wholesaling ²	57	6	-2.9	-1.2	-2.4	-0.5	0.3	-0.6
Food wholesaling ²	57	8101	5.0	0.9	1.3	2.8	2.0	-0.4
Automotive parts, including tires, retailing ²	58	6102	0.1	0.1	-2.0	-1.7	-2.0	0.6
Hardware, building material, and supplies retailing.....	58	D	12.4	-1.3	-0.1	-2.2	1.3	-0.3
Transportation and warehousing services for intermediate demand.....	ID6	32	3.9	-0.1	1.0	0.0	0.6	0.3
Rail transportation of freight and mail ²	30	11	2.9	1.1	-1.4	-0.1	0.9	0.2
Truck transportation of freight ²	30	12	-1.0	-0.2	0.7	-0.5	0.6	-0.6
Water transportation of freight ²	30	13	2.8	1.0	0.2	0.0	0.2	0.8
Air transportation of freight ²	30	14	4.3	-3.4	-0.1	1.2	3.8	-0.3
U.S. Postal Service ²	30	1601	7.1	0.0	3.2	0.0	0.0	0.0
Courier and messenger services, except air mail.....	30	1602	4.8	0.1	0.0	0.3	0.4	0.7
Air mail and package delivery services, excluding by USPS.....	30	1603	6.1	0.9	1.1	-0.5	0.5	0.6
Pipeline transportation ²	30	17	3.2	0.1	-0.7	0.0	1.5	0.1
Transportation of passengers (partial).....	30	2	-2.3	-0.7	3.0	1.7	-3.6	-4.2
Services related to water transportation ²	31	1	4.8	1.0	0.8	0.8	0.1	0.0
Arrangement of freight and cargo ²	31	31	19.5	-2.0	3.6	-4.0	3.7	9.3
Warehousing, storage, and related services ²	32	1	4.1	0.5	2.1	1.0	1.5	-1.4
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	3.4	1.0	0.2	0.3	0.4	0.0
Network compensation from broadcast TV, cable TV, radio ²	35	-	0.0	0.2	0.0	0.0	0.0	0.0
Advertising space sales in periodicals and newspapers ²	36	11	-0.7	0.1	0.2	0.1	0.4	0.1
Advertising space sales in directories and mail lists ²	36	12	0.1	0.0	0.0	0.0	0.0	0.0
Television advertising time sales.....	36	2	-6.0	0.0	4.7	-6.1	1.7	1.2
Radio advertising time sales.....	36	3	-7.8	-16.6	7.4	0.4	-0.6	3.9
Internet advertising sales ²	36	6	7.6	5.3	0.0	0.0	7.4	0.0
Business wired telecommunication services ²	37	12	1.8	-0.4	1.1	-0.1	0.0	0.1
Wireless telecommunication services.....	37	2	0.2	0.1	0.0	0.1	0.1	-0.4
Cable and satellite subscriber services.....	37	3	5.1	0.8	0.8	-1.1	1.4	0.7
Bundled wired telecommunication access services ²	37	5	3.6	1.6	0.4	-0.3	3.1	-0.8
Data processing and related services ²	38	1	2.4	0.4	0.1	-0.3	0.4	0.4
Business loans (partial).....	39	11	-2.0	0.7	2.8	0.1	0.1	-0.6

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2023 to May 2024 ^P	Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P
Deposit services (partial) ²	39	2	19.3	0.9	1.1	2.7	-0.2	0.4
Other credit intermediation, incl. trust services (partial) ²	39	3	-2.7	0.0	1.3	0.0	-3.4	0.8
Securities brokerage, dealing, investment advice, and related services ²	40	1	7.0	0.7	0.7	2.5	-0.1	-0.3
Portfolio management ²	40	2	15.9	6.8	0.1	0.7	4.4	-1.8
Investment banking ²	40	3	13.3	0.3	3.4	4.5	-0.4	1.6
Life insurance ²	41	1101	-2.1	-0.5	-0.3	0.0	-0.7	0.0
Health and medical insurance.....	41	1103	4.4	2.0	0.2	0.2	0.2	0.2
Property and casualty insurance ²	41	1104	7.3	0.4	0.4	0.4	0.2	0.7
Annuities ²	41	2	0.7	0.2	0.0	0.0	0.4	0.0
Commissions from sales of insurance ²	42	1	1.5	1.4	0.3	0.0	0.0	0.0
Nonresidential real estate rents ²	43	11	2.6	1.6	-3.6	-0.2	0.3	-0.5
Nonresidential property sales and leases ²	43	12	-3.6	-1.0	0.0	0.0	0.3	-0.2
Residential property management fees ²	43	22	3.9	3.3	-0.1	0.0	0.4	0.0
Passenger car rental.....	44	1	-0.3	-3.0	-2.0	4.1	1.7	-0.4
Truck, utility trailer, and RV rental and leasing ²	44	2	2.0	0.0	-0.4	0.6	1.4	-0.1
Construction, mining, and forestry machinery and equipment rental and leasing ²	44	3	-0.3	0.1	-0.9	1.1	-0.4	0.5
Legal services.....	45	1	8.3	2.2	0.6	0.1	1.6	0.3
Accounting services (partial).....	45	2	4.8	3.0	1.3	-0.7	-1.0	0.2
Architectural and engineering services.....	45	3	2.8	0.0	0.0	0.0	0.7	0.3
Management, scientific, and technical consulting services ²	45	4	5.1	-0.2	-0.4	0.2	1.6	0.0
Advertising and related services (partial) ²	45	5	0.0	0.0	0.3	0.0	0.0	0.1
Permanent placement services ²	46	1	-22.6	0.4	-16.4	0.0	4.3	-13.2
Executive search services ²	46	2	7.3	-0.4	-0.1	-1.4	1.4	0.0
Staffing services.....	46	3	-0.6	0.0	0.0	0.0	-0.4	-0.2
Security guard services ²	48	1	9.3	2.8	0.6	-0.1	0.2	-0.1
Janitorial services ²	49	1	0.0	1.9	0.0	0.0	-0.1	0.2
Waste collection.....	50	1	6.3	-0.1	-1.5	1.3	1.0	2.5
Traveler accommodation services.....	53	11	-0.8	3.0	-1.1	-1.3	2.6	-0.5
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.1	1.2	-0.3	-0.3	1.2	1.2
Aircraft repair and maintenance.....	55	4	10.2	0.1	1.7	0.7	0.8	0.9
Metal treatment services ²	59	1	3.0	1.8	0.1	0.3	0.1	-0.6
Construction for intermediate demand.....	ID6	4	1.7	0.3	0.1	0.6	0.2	0.2
Maintenance and repair of non-residential buildings (partial) ²	80	2	1.8	0.3	0.1	0.6	0.2	0.2
Intermediate Demand by Production Flow								
Stage 4 intermediate demand.....	ID5	4	2.3	0.6	0.1	0.2	0.4	-0.2
Stage 4 intermediate demand goods.....	ID5	9411	0.3	-0.1	0.5	-0.2	0.4	-0.4
Grains.....	01	2	-26.6	-5.2	-8.3	2.6	-4.1	7.9
Meats.....	02	21	5.4	-3.6	2.3	0.6	-2.2	-0.7
Unprocessed and packaged fish.....	02	23	-1.4	5.7	-4.8	2.0	2.8	-0.6
Dairy products ²	02	3	2.1	-1.3	1.2	1.0	-0.3	1.7
Commercial electric power.....	05	42	1.5	-1.8	2.7	-1.0	1.2	-1.5
Industrial electric power.....	05	43	0.3	-2.0	2.0	-0.5	1.2	-3.1
Gasoline.....	05	71	0.9	-3.4	6.3	-3.0	5.0	-7.1
No. 2 diesel fuel.....	05	7303	-13.1	-0.7	14.9	1.8	2.8	-24.5
Basic organic chemicals.....	06	14	-6.4	-3.6	2.9	0.1	1.5	-1.6
Prepared paint ²	06	21	-1.3	0.1	-0.2	-0.1	-0.2	0.1
Medicinal and botanical chemicals ²	06	31	5.0	0.4	3.9	0.1	0.2	0.0
Biological products, including diagnostics.....	06	37	1.5	-0.9	-0.4	0.5	0.3	-0.1
Pharmaceutical preparations.....	06	38	1.6	-0.4	0.2	0.1	0.2	0.2
Plastic construction products ²	07	21	-0.6	0.5	-0.2	0.0	0.6	-0.3
Unsupported plastic film, sheet, and other shapes ²	07	22	-3.4	-1.1	0.7	0.1	1.1	-0.1
Parts for manufacturing from plastics ²	07	26	-0.1	0.1	0.0	0.8	0.0	0.0
Plastic packaging products ²	07	2A	-1.3	0.8	-0.5	0.3	0.6	-0.4
Lumber.....	08	1	-4.2	-0.9	-1.9	0.5	4.0	-2.6
Millwork.....	08	2	-0.2	-0.1	1.2	-0.6	0.3	-0.6
Paper boxes and containers ²	09	1503	-2.0	-0.5	0.0	-0.3	0.6	0.8
Commercial printing ²	09	47	1.6	0.8	0.2	0.1	-0.2	0.2
Steel mill products ²	10	17	-13.8	5.3	3.5	-8.1	-2.6	0.5
Nonferrous wire and cable ²	10	26	10.4	-0.1	0.2	0.6	3.0	6.4
Fabricated structural metal products.....	10	7	1.9	0.8	-0.5	-0.9	-0.2	-0.1
Other miscellaneous metal products ²	10	89	1.7	0.4	0.2	0.1	0.3	0.1
Air conditioning and refrigeration equipment.....	11	48	2.4	-1.1	1.2	-0.8	0.8	0.8
Wiring devices ²	11	71	-0.4	-0.6	0.6	-0.1	-0.2	0.3

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2023 to May 2024 ^P	Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P
Electronic components and accessories.....	11	78	1.3	0.5	0.0	0.0	0.3	-0.8
Miscellaneous electrical machinery and equipment ²	11	79	1.2	0.2	0.4	0.0	0.0	-0.1
Internal combustion engines ²	11	94	4.6	2.0	0.0	0.0	0.4	0.1
Machine shop products ²	11	95	1.5	0.2	0.9	0.1	0.1	0.2
Concrete ingredients and related products.....	13	2	7.1	2.2	0.0	0.6	0.4	0.2
Concrete products.....	13	3	5.0	0.9	0.8	0.9	-0.7	-0.1
Prepared asphalt, tar roofing and siding products ²	13	61	4.5	-0.4	1.1	0.1	-2.1	2.7
Paving mixtures and blocks.....	13	94	2.4	-0.2	-0.4	1.0	0.1	-1.2
Motor vehicle parts ²	14	12	0.9	0.2	0.1	0.1	0.1	0.0
Aircraft engines and engine parts.....	14	23	3.7	0.5	0.7	0.1	0.2	0.3
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	2.6	0.2	0.3	0.1	1.1	0.1
Medical, surgical and personal aid devices.....	15	6	3.2	0.6	0.5	0.2	0.4	0.2
Stage 4 intermediate demand services.....	ID5	9412	4.0	1.2	-0.2	0.4	0.4	0.0
Truck transportation of freight ²	30	12	-1.0	-0.2	0.7	-0.5	0.6	-0.6
Courier, messenger, and U.S. postal services.....	30	16	5.9	0.3	1.3	0.0	0.3	0.4
Airline passenger services.....	30	22	-2.3	-0.7	3.1	1.8	-3.6	-4.3
Warehousing, storage, and related services ²	32	1	4.1	0.5	2.1	1.0	1.5	-1.4
Advertising space sales in periodicals and newspapers ²	36	11	-0.7	0.1	0.2	0.1	0.4	0.1
Data processing and related services ²	38	1	2.4	0.4	0.1	-0.3	0.4	0.4
Business loans (partial).....	39	11	-2.0	0.7	2.8	0.1	0.1	-0.6
Deposit services (partial) ²	39	2	19.3	0.9	1.1	2.7	-0.2	0.4
Securities brokerage, dealing, investment advice, and related services ²	40	1	7.0	0.7	0.7	2.5	-0.1	-0.3
Portfolio management ²	40	2	15.9	6.8	0.1	0.7	4.4	-1.8
Investment banking ²	40	3	13.3	0.3	3.4	4.5	-0.4	1.6
Insurance.....	41	11	4.3	0.5	0.2	0.3	0.0	0.3
Annuities ²	41	2	0.7	0.2	0.0	0.0	0.4	0.0
Nonresidential real estate rents ²	43	11	2.6	1.6	-3.6	-0.2	0.3	-0.5
Nonresidential property sales and leases ²	43	12	-3.6	-1.0	0.0	0.0	0.3	-0.2
Nonresidential property management fees ²	43	13	6.8	-3.7	4.1	0.3	0.4	0.5
Residential property management fees ²	43	22	3.9	3.3	-0.1	0.0	0.4	0.0
Construction, mining, and forestry machinery and equipment rental and leasing ²	44	3	-0.3	0.1	-0.9	1.1	-0.4	0.5
Legal services.....	45	1	8.3	2.2	0.6	0.1	1.6	0.3
Advertising agency services ²	45	51	0.0	0.0	0.3	0.0	0.0	0.1
Accounting services (partial).....	45	2	4.8	3.0	1.3	-0.7	-1.0	0.2
Architectural and engineering services.....	45	3	2.8	0.0	0.0	0.0	0.7	0.3
Management, scientific, and technical consulting services ²	45	4	5.1	-0.2	-0.4	0.2	1.6	0.0
Staffing services.....	46	3	-0.6	0.0	0.0	0.0	-0.4	-0.2
Janitorial services ²	49	1	0.0	1.9	0.0	0.0	-0.1	0.2
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.1	1.2	-0.3	-0.3	1.2	1.2
Machinery and equipment parts and supplies wholesaling ²	57	1102	7.6	1.4	0.3	-0.4	1.5	1.6
Building materials, paint, and hardware wholesaling.....	57	3	-3.6	2.6	-0.8	-1.7	0.3	-0.1
Metals, minerals, and ores wholesaling ²	57	4	-8.8	5.5	-14.7	2.7	-6.2	-1.6
Chemicals and allied products wholesaling ²	57	5	2.0	10.4	-3.9	-1.8	0.1	0.6
Paper and plastics products wholesaling ²	57	6	-2.9	-1.2	-2.4	-0.5	0.3	-0.6
Food and alcohol wholesaling ²	57	8	5.1	0.8	1.2	3.0	1.7	-0.4
Hardware and building materials and supplies retailing.....	58	D	12.4	-1.3	-0.1	-2.2	1.3	-0.3
Metal treatment services ²	59	1	3.0	1.8	0.1	0.3	0.1	-0.6
Stage 3 intermediate demand.....	ID5	3	0.6	0.3	0.9	-0.1	0.2	-0.7
Stage 3 intermediate demand goods.....	ID5	9311	-1.8	0.0	2.4	-0.3	0.2	-1.8
Slaughter cattle.....	01	31	15.4	1.3	1.6	7.7	-2.5	5.5
Slaughter hogs.....	01	32	17.7	-2.9	35.6	4.6	22.4	-10.8
Slaughter poultry.....	01	4	-11.4	-1.4	0.8	-3.5	-6.1	-1.3
Raw milk.....	01	6	2.2	1.1	5.1	0.1	-2.3	-1.4
Commercial electric power.....	05	42	1.5	-1.8	2.7	-1.0	1.2	-1.5
Industrial electric power.....	05	43	0.3	-2.0	2.0	-0.5	1.2	-3.1
Gasoline.....	05	71	0.9	-3.4	6.3	-3.0	5.0	-7.1
Jet fuel ²	05	7203	10.8	0.4	9.8	-5.4	0.3	-5.6
No. 2 diesel fuel.....	05	7303	-13.1	-0.7	14.9	1.8	2.8	-24.5
Finished lubricants ²	05	76	-0.2	0.3	-0.2	-0.9	0.0	0.0
Lubricating oil base stocks ²	05	78	-5.1	-3.6	-0.4	-4.7	-7.6	4.3
Asphalt.....	05	8102	5.2	2.7	-13.7	8.8	-4.6	3.2
Basic inorganic chemicals ²	06	13	-8.5	-1.1	-1.0	0.2	-0.1	1.6
Basic organic chemicals.....	06	14	-6.4	-3.6	2.9	0.1	1.5	-1.6
Paints and allied products ²	06	2	-2.6	-0.1	-0.1	0.0	-0.2	-0.5

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2023 to May 2024 ^P	Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P
Agricultural chemicals and chemical products.....	06	5	-6.8	0.1	-1.1	0.0	-0.1	-1.1
Plastic resins and materials.....	06	6	-4.6	-0.6	0.8	-1.4	1.4	0.3
Synthetic rubber ²	07	1102	2.9	-1.6	1.2	3.6	4.3	2.0
Unsupported plastic film, sheet, and other shapes ²	07	22	-3.4	-1.1	0.7	0.1	1.1	-0.1
Paper ²	09	13	0.5	0.3	0.3	-0.2	0.6	0.7
Paperboard ²	09	14	-1.6	0.7	-0.2	0.2	0.5	0.3
Converted paper and paperboard products ²	09	15	-1.3	-0.3	0.2	-0.3	0.5	0.5
Commercial printing ²	09	47	1.6	0.8	0.2	0.1	-0.2	0.2
Foundry and forge shop products ²	10	15	0.8	0.7	0.6	0.4	-0.3	-0.2
Steel mill products ²	10	17	-13.8	5.3	3.5	-8.1	-2.6	0.5
Nonferrous mill shapes ²	10	25	2.4	0.0	0.2	0.2	1.8	3.8
Nonferrous foundry shop products.....	10	28	3.2	0.0	0.9	0.2	-0.2	1.1
Metal containers ²	10	3	-2.9	0.4	0.2	-0.4	-0.1	0.2
Structural, architectural, and pre-engineered metal products.....	10	74	1.5	1.2	-1.2	-1.6	-0.2	0.2
Bolts, nuts, screws, rivets, and washers ²	10	81	8.4	1.8	1.7	0.5	0.7	-0.1
Other miscellaneous metal products ²	10	89	1.7	0.4	0.2	0.1	0.3	0.1
General purpose machinery and equipment.....	11	4	3.7	-0.2	0.7	0.2	0.4	0.3
Electrical machinery and equipment.....	11	7	2.6	0.8	0.3	0.2	0.0	-0.1
Construction sand, gravel, and crushed stone.....	13	21	7.3	2.9	-0.1	0.3	0.6	0.2
Cement.....	13	22	6.8	0.3	0.3	1.4	0.0	0.4
Motor vehicle parts ²	14	12	0.9	0.2	0.1	0.1	0.1	0.0
Aircraft and aircraft equipment.....	14	2	3.6	0.5	0.3	0.1	0.3	0.1
Stage 3 intermediate demand services.....	ID5	9312	2.5	0.6	-0.3	0.0	0.2	0.3
Rail transportation of freight and mail ²	30	11	2.9	1.1	-1.4	-0.1	0.9	0.2
Courier, messenger, and U.S. postal services.....	30	16	5.9	0.3	1.3	0.0	0.3	0.4
Arrangement of freight and cargo ²	31	31	19.5	-2.0	3.6	-4.0	3.7	9.3
Freight forwarding ²	31	3201	-2.1	-0.4	-2.4	0.0	0.0	0.7
Warehousing, storage, and related services ²	32	1	4.1	0.5	2.1	1.0	1.5	-1.4
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-0.6	0.1	0.2	0.0	0.4	0.1
Wired telephone services ²	37	1	1.6	-0.1	0.5	0.0	0.1	0.0
Bundled wired telecommunications access services ²	37	5	3.6	1.6	0.4	-0.3	3.1	-0.8
Data processing and related services ²	38	1	2.4	0.4	0.1	-0.3	0.4	0.4
Business loans (partial).....	39	11	-2.0	0.7	2.8	0.1	0.1	-0.6
Deposit services (partial) ²	39	2	19.3	0.9	1.1	2.7	-0.2	0.4
Securities brokerage, dealing, investment advice, and related services ²	40	1	7.0	0.7	0.7	2.5	-0.1	-0.3
Insurance.....	41	11	4.3	0.5	0.2	0.3	0.0	0.3
Nonresidential real estate rents ²	43	11	2.6	1.6	-3.6	-0.2	0.3	-0.5
Legal services.....	45	1	8.3	2.2	0.6	0.1	1.6	0.3
Accounting services (partial).....	45	2	4.8	3.0	1.3	-0.7	-1.0	0.2
Architectural and engineering services.....	45	3	2.8	0.0	0.0	0.0	0.7	0.3
Management, scientific, and technical consulting services ²	45	4	5.1	-0.2	-0.4	0.2	1.6	0.0
Advertising agency services ²	45	51	0.0	0.0	0.3	0.0	0.0	0.1
Staffing services.....	46	3	-0.6	0.0	0.0	0.0	-0.4	-0.2
Aircraft repair maintenance.....	55	4	10.2	0.1	1.7	0.7	0.8	0.9
Machinery and equipment parts and supplies wholesaling ²	57	1102	7.6	1.4	0.3	-0.4	1.5	1.6
Building materials, paint, and hardware wholesaling.....	57	3	-3.6	2.6	-0.8	-1.7	0.3	-0.1
Metals, minerals, and ores wholesaling ²	57	4	-8.8	5.5	-14.7	2.7	-6.2	-1.6
Chemicals and allied products wholesaling ²	57	5	2.0	10.4	-3.9	-1.8	0.1	0.6
Paper and plastics products wholesaling ²	57	6	-2.9	-1.2	-2.4	-0.5	0.3	-0.6
Food wholesaling ²	57	8101	5.0	0.9	1.3	2.8	2.0	-0.4
Metal treatment services ²	59	1	3.0	1.8	0.1	0.3	0.1	-0.6
Stage 2 intermediate demand.....	ID5	2	1.3	1.2	0.0	-0.9	1.4	-0.8
Stage 2 intermediate demand goods.....	ID5	9211	-1.0	1.7	-0.7	-2.4	3.1	-2.4
Corn.....	01	2202	-29.0	-6.5	-9.2	4.1	-4.9	6.7
Oilseeds.....	01	83	-15.9	-9.2	-8.9	0.4	-1.0	4.7
Prepared animal feeds.....	02	9	-8.7	-2.5	-2.4	-2.0	-0.5	0.2
Coal ²	05	1	7.9	0.4	6.2	-3.7	1.4	0.5
Natural gas ²	05	31	-22.5	16.5	-24.2	-36.5	-1.3	1.7
Liquefied petroleum gas ²	05	32	25.1	3.5	-0.3	0.1	5.7	-2.7
Crude petroleum ²	05	61	7.6	4.4	5.4	1.7	8.9	-8.7
No. 2 diesel fuel.....	05	7303	-13.1	-0.7	14.9	1.8	2.8	-24.5
Industrial chemicals.....	06	1	-6.8	-3.1	2.1	0.1	1.2	-1.1
Plastic resins and materials.....	06	6	-4.6	-0.6	0.8	-1.4	1.4	0.3
Plastic products ²	07	2	-0.8	0.2	-0.1	0.3	0.4	-0.2
Logs, bolts, timber, pulpwood, and wood chips ²	08	5	-4.1	0.1	-0.5	-0.2	-1.8	-0.2

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P	Apr. to May ^P
Paper ²	09	13	0.5	0.3	0.3	-0.2	0.6	0.7
Paperboard, excluding corrugated paperboard ²	09	1411	-2.0	0.7	-0.2	0.2	0.6	0.3
Commercial printing ²	09	47	1.6	0.8	0.2	0.1	-0.2	0.2
Iron and steel scrap.....	10	12	-13.2	-3.9	-3.7	-15.6	4.1	1.0
Steel mill products ²	10	17	-13.8	5.3	3.5	-8.1	-2.6	0.5
Nonferrous mill shapes ²	10	25	2.4	0.0	0.2	0.2	1.8	3.8
Electrical machinery and equipment.....	11	7	2.6	0.8	0.3	0.2	0.0	-0.1
Electronic components and accessories.....	11	78	1.3	0.5	0.0	0.0	0.3	-0.8
Stage 2 intermediate demand services.....	ID5	9212	3.0	0.8	0.6	0.1	0.3	0.3
Rail transportation of freight and mail ²	30	11	2.9	1.1	-1.4	-0.1	0.9	0.2
Truck transportation of freight ²	30	12	-1.0	-0.2	0.7	-0.5	0.6	-0.6
U.S. Postal Service ²	30	1601	7.1	0.0	3.2	0.0	0.0	0.0
Courier and messenger services, except air.....	30	1602	4.8	0.1	0.0	0.3	0.4	0.7
Air mail and package delivery services, excluding by USPS.....	30	1603	6.1	0.9	1.1	-0.5	0.5	0.6
Pipeline transportation ²	30	17	3.2	0.1	-0.7	0.0	1.5	0.1
Airline passenger services.....	30	22	-2.3	-0.7	3.1	1.8	-3.6	-4.3
Arrangement of freight and cargo ²	31	31	19.5	-2.0	3.6	-4.0	3.7	9.3
Television advertising time sales.....	36	21	-6.0	0.0	4.7	-6.1	1.7	1.2
Wireless telecommunication services.....	37	2	0.2	0.1	0.0	0.1	0.1	-0.4
Data processing and related services ²	38	1	2.4	0.4	0.1	-0.3	0.4	0.4
Securities brokerage, dealing, investment advice, and related services ²	40	1	7.0	0.7	0.7	2.5	-0.1	-0.3
Portfolio management ²	40	2	15.9	6.8	0.1	0.7	4.4	-1.8
Investment banking ²	40	31	13.3	0.3	3.4	4.5	-0.4	1.6
Insurance.....	41	11	4.3	0.5	0.2	0.3	0.0	0.3
Commissions from sales of insurance ²	42	11	1.5	1.4	0.3	0.0	0.0	0.0
Legal services.....	45	1	8.3	2.2	0.6	0.1	1.6	0.3
Accounting services (partial).....	45	2	4.8	3.0	1.3	-0.7	-1.0	0.2
Management, scientific, and technical consulting services ²	45	4	5.1	-0.2	-0.4	0.2	1.6	0.0
Advertising agency services ²	45	51	0.0	0.0	0.3	0.0	0.0	0.1
Staffing services.....	46	3	-0.6	0.0	0.0	0.0	-0.4	-0.2
Security guard services ²	48	1	9.3	2.8	0.6	-0.1	0.2	-0.1
Janitorial services ²	49	1	0.0	1.9	0.0	0.0	-0.1	0.2
Traveler accommodation services.....	53	1	-0.8	3.0	-1.1	-1.3	2.6	-0.5
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.1	1.2	-0.3	-0.3	1.2	1.2
Hardware and building materials and supplies retailing.....	58	D	12.4	-1.3	-0.1	-2.2	1.3	-0.3
Stage 1 intermediate demand.....	ID5	1	0.7	0.4	0.4	-0.2	0.3	-0.8
Stage 1 intermediate demand goods.....	ID5	9111	-1.9	-0.2	1.3	-0.7	0.5	-1.6
Prepared animal feeds.....	02	9	-8.7	-2.5	-2.4	-2.0	-0.5	0.2
Commercial electric power.....	05	42	1.5	-1.8	2.7	-1.0	1.2	-1.5
Industrial electric power.....	05	43	0.3	-2.0	2.0	-0.5	1.2	-3.1
Commercial natural gas.....	05	52	-1.3	-0.2	2.1	0.4	-3.2	-3.8
Industrial natural gas.....	05	53	-4.8	3.6	-0.7	-0.2	-3.4	-5.3
Gasoline.....	05	71	0.9	-3.4	6.3	-3.0	5.0	-7.1
No. 2 diesel fuel.....	05	7303	-13.1	-0.7	14.9	1.8	2.8	-24.5
Industrial chemicals.....	06	1	-6.8	-3.1	2.1	0.1	1.2	-1.1
Prepared paint ²	06	21	-1.3	0.1	-0.2	-0.1	-0.2	0.1
Plastic construction products ²	07	21	-0.6	0.5	-0.2	0.0	0.6	-0.3
Recyclable paper ²	09	12	87.4	8.0	12.8	11.4	-0.6	1.2
Paper ²	09	13	0.5	0.3	0.3	-0.2	0.6	0.7
Converted paper and paperboard products ²	09	15	-1.3	-0.3	0.2	-0.3	0.5	0.5
Iron and steel scrap.....	10	12	-13.2	-3.9	-3.7	-15.6	4.1	1.0
Steel mill products ²	10	17	-13.8	5.3	3.5	-8.1	-2.6	0.5
Primary nonferrous metals ²	10	22	10.5	0.6	2.4	1.1	3.2	6.3
Nonferrous scrap.....	10	23	8.6	-2.1	-1.1	3.9	3.7	9.4
Nonferrous wire and cable ²	10	26	10.4	-0.1	0.2	0.6	3.0	6.4
Fabricated structural metal products.....	10	7	1.9	0.8	-0.5	-0.9	-0.2	-0.1
General purpose machinery and equipment.....	11	4	3.7	-0.2	0.7	0.2	0.4	0.3
Construction sand, gravel, and crushed stone.....	13	21	7.3	2.9	-0.1	0.3	0.6	0.2
Stage 1 intermediate demand services.....	ID5	9112	3.2	1.0	-0.5	0.3	0.1	0.0
Truck transportation of freight ²	30	12	-1.0	-0.2	0.7	-0.5	0.6	-0.6
Airline passenger services.....	30	22	-2.3	-0.7	3.1	1.8	-3.6	-4.3
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-0.6	0.1	0.2	0.0	0.4	0.1
Business wired telecommunication services ²	37	12	1.8	-0.4	1.1	-0.1	0.0	0.1
Wireless telecommunication services.....	37	2	0.2	0.1	0.0	0.1	0.1	-0.4

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2023 to May 2024 ^p	Dec. to Jan.	Jan. to Feb. ^p	Feb. to Mar. ^p	Mar. to Apr. ^p
Bundled wired telecommunications access services ²	37	5	3.6	1.6	0.4	-0.3	3.1	-0.8
Business loans (partial).....	39	11	-2.0	0.7	2.8	0.1	0.1	-0.6
Deposit services (partial) ²	39	2	19.3	0.9	1.1	2.7	-0.2	0.4
Securities brokerage, dealing, investment advice, and related services ²	40	1	7.0	0.7	0.7	2.5	-0.1	-0.3
Portfolio management ²	40	2	15.9	6.8	0.1	0.7	4.4	-1.8
Investment banking ²	40	3	13.3	0.3	3.4	4.5	-0.4	1.6
Insurance.....	41	11	4.3	0.5	0.2	0.3	0.0	0.3
Nonresidential real estate rents ²	43	11	2.6	1.6	-3.6	-0.2	0.3	-0.5
Architectural and engineering services.....	45	3	2.8	0.0	0.0	0.0	0.7	0.3
Management consulting services ²	45	41	5.1	-0.2	-0.4	0.2	1.6	0.0
Waste collection.....	50	1	6.3	-0.1	-1.5	1.3	1.0	2.5
Traveler accommodation services.....	53	11	-0.8	3.0	-1.1	-1.3	2.6	-0.5
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.1	1.2	-0.3	-0.3	1.2	1.2
Machinery and equipment parts and supplies wholesaling ²	57	1102	7.6	1.4	0.3	-0.4	1.5	1.6
Building materials, paint, and hardware wholesaling.....	57	3	-3.6	2.6	-0.8	-1.7	0.3	-0.1
Metals, minerals, and ores wholesaling ²	57	4	-8.8	5.5	-14.7	2.7	-6.2	-1.6
Chemicals and allied products wholesaling ²	57	5	2.0	10.4	-3.9	-1.8	0.1	0.6
Paper and plastics products wholesaling ²	57	6	-2.9	-1.2	-2.4	-0.5	0.3	-0.6
Hardware and building materials and supplies retailing.....	58	D	12.4	-1.3	-0.1	-2.2	1.3	-0.3
Mining services ²	60	1	2.9	-0.2	0.4	-0.9	1.6	0.0

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.

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

p Preliminary

"-" Data not available.

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

Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted
 [May 2024, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Jan. 2024	Feb. 2024 ^P	Mar. 2024 ^P	Apr. 2024 ^P	May 2024 ^P
Final Demand								
Final demand.....		FD	4	142.683	143.522	143.429	144.179	143.822
Final demand goods.....		FD	41	142.643	144.263	144.051	144.645	143.511
Final demand foods.....		FD	411	150.285	151.851	152.491	151.556	151.398
Finished consumer foods ²	00/82	FD	4111	267.816	272.578	273.484	271.937	270.733
Finished consumer foods, crude.....	00/82	FD	411113	267.911	295.326	283.436	271.076	250.470
Finished consumer foods, processed.....	00/82	FD	41112	266.645	269.215	271.344	270.840	271.501
Government purchased foods.....		FD	4112	155.412	157.024	157.982	156.991	156.932
Foods for export.....		FD	4113	143.986	140.400	141.497	140.300	142.489
Final demand energy.....		FD	412	138.482	143.814	141.975	144.766	137.875
Finished consumer energy goods ²	00/82	FD	4121	218.401	225.178	222.797	227.297	218.381
Government purchased energy.....		FD	4122	144.296	154.152	151.687	154.047	140.829
Energy for export.....		FD	4123	127.643	135.421	131.263	134.229	126.159
Final demand goods less foods and energy.....		FD	413	141.921	142.411	142.467	142.805	143.187
Finished goods less foods and energy ²	00/82	FD	4131	250.078	250.985	251.510	251.818	252.526
Finished consumer goods less foods and energy.....	00/82	FD	41311	277.267	278.295	278.651	278.964	280.060
Nondurable consumer goods less foods and energy.....	00/82	FD	413111	360.445	362.338	362.424	362.965	365.026
Durable consumer goods.....	00/82	FD	413112	192.110	192.364	192.922	193.028	193.263
Private capital equipment.....	00/82	FD	41312	215.272	216.033	216.683	216.973	217.311
Private capital equipment for manufacturing industries.....	00/82	FD	413121	231.943	232.927	233.957	234.229	235.165
Private capital equipment for nonmanufacturing industries.....	00/82	FD	413122	210.288	210.984	211.522	211.817	211.978
Government purchased goods, excluding foods and energy.....		FD	4132	138.216	138.662	138.993	139.356	139.346
Government purchased goods excluding foods, energy, and capital equipment.....		FD	41321	145.789	146.293	146.660	147.113	146.970
Government purchased capital equipment.....		FD	41322	126.589	126.957	127.239	127.488	127.636
Goods for export, excluding foods and energy.....		FD	4133	137.618	138.061	137.604	138.205	138.662
Final demand services.....		FD	42	141.562	142.077	142.031	142.865	142.846
Final demand trade services ³		FD	423	150.510	150.997	149.774	150.706	150.965
Trade of finished goods ²		FD	4231	148.347	148.969	147.775	148.367	148.936
Trade of personal consumption goods.....		FD	42311	148.766	149.323	148.520	147.911	149.757
Trade of private capital equipment.....		FD	42312	144.808	145.713	142.800	148.697	143.615
Trade of government purchased goods.....		FD	4232	163.768	164.271	162.794	166.306	164.206
Trade of government purchased goods, excluding capital equipment.....		FD	42321	171.043	170.704	170.807	171.114	172.553
Trade of government purchased capital equipment.....		FD	42322	151.328	153.078	149.266	157.510	150.169
Trade of exports.....		FD	4233	165.871	165.034	163.631	166.830	165.025
Final demand transportation and warehousing services.....		FD	422	149.192	150.983	151.317	150.603	148.537
Transportation of passengers for final demand.....		FD	4221	136.293	140.420	142.860	137.774	131.949
Transportation of private passengers.....		FD	42211	136.293	140.412	142.847	137.771	131.958
Transportation of government passengers.....		FD	42212	136.066	140.147	142.560	137.530	131.769
Transportation of passengers for export.....		FD	42213	136.301	140.464	142.925	137.796	131.920
Transportation and warehousing of goods for final demand.....		FD	4222	153.405	154.273	153.784	154.781	154.194
Transportation and warehousing of finished goods ²		FD	42221	151.136	152.051	151.517	152.474	151.785
Transportation and warehousing of personal consumption goods.....		FD	422211	151.718	152.682	152.158	153.109	152.441
Transportation and warehousing of private capital equipment.....		FD	422212	148.775	149.496	148.919	149.899	149.126
Transportation and warehousing of government purchased goods.....		FD	42222	152.358	153.452	153.164	154.354	153.634
Transportation and warehousing of exports.....		FD	42223	160.010	160.728	160.297	161.353	161.026
Final demand services less trade, transportation, and warehousing.....		FD	421	136.533	136.924	137.315	138.265	138.347
Finished services less trade, transportation, and warehousing ²		FD	4211	136.755	137.133	137.484	138.387	138.492
Finished consumer services less trade, transportation, and warehousing.....		FD	42111	136.250	136.678	137.071	137.895	137.978
Private capital investment services less trade, transportation, and warehousing.....		FD	42112	141.833	141.826	141.849	143.383	143.655
Government purchased services less trade, transportation, and warehousing.....		FD	4212	127.455	127.692	127.863	128.836	128.868
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....		FD	42121	128.219	128.471	128.622	129.580	129.614
Government purchased capital investment services less trade, transportation, and warehousing.....		FD	42122	110.405	110.418	110.854	112.004	111.993
Services for export less trade, transportation, and warehousing.....		FD	4213	144.561	145.313	146.554	148.155	147.965
Final demand construction.....		FD	43	174.698	174.733	174.838	175.146	175.085
Construction for private capital investment.....		FD	431	178.761	178.825	178.959	179.224	179.208
Construction for government.....		FD	432	167.150	167.124	167.170	167.568	167.412
Final Demand Special Groupings								
Final demand less exports.....	04/10	FD	49101	140.378	141.267	141.187	141.892	141.536
Final demand less government.....	04/10	FD	49102	140.730	141.507	141.420	142.141	141.899
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy ¹	04/10	FD	49103	140.996	141.517	141.482	142.137	142.198
Final demand less foods and energy ⁴	04/10	FD	49104	140.765	141.257	141.237	141.943	142.008
Final demand less foods and food and nonalcoholic beverages for immediate consumption ⁴	04/10	FD	49105	140.394	141.226	141.073	141.866	141.472

See footnotes at end of table.

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

[May 2024, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Jan. 2024	Feb. 2024 ^P	Mar. 2024 ^P	Apr. 2024 ^P	May 2024 ^P
Final demand less foods ⁴	04/10	FD	49106	140.142	140.928	140.796	141.628	141.265
Final demand less energy.....	04/10	FD	49107	141.051	141.602	141.619	142.232	142.285
Final demand less trade services.....	01/10	FD	49108	139.189	140.095	140.251	140.952	140.463
Final demand less distributive services ⁵	01/10	FD	49109	138.745	139.654	139.838	140.527	140.042
Final demand goods less energy.....	01/10	FD	49111	142.234	142.951	143.132	143.192	143.452
Final demand goods less foods.....	04/10	FD	49112	137.960	139.555	139.171	140.070	138.757
Final demand services less trade services.....	04/10	FD	49113	136.522	137.040	137.423	138.209	138.089
Final demand distributive services ⁵	04/10	FD	49114	147.916	148.452	147.366	148.290	148.414
Final demand goods plus final demand distributive services ⁵	04/10	FD	49115	142.766	143.912	143.340	144.062	143.467
Final demand less foods, energy, and trade services ⁴	08/13	FD	49116	130.276	130.740	131.009	131.619	131.634
Private and government purchased capital equipment.....	08/13	FD	49117	130.028	130.477	130.855	131.042	131.238
Private and government purchased capital investment services.....	08/13	FD	49118	132.555	132.936	131.861	134.879	133.092
Total private and government purchased capital investment.....	08/13	FD	49119	134.475	134.833	134.446	136.058	135.228
Total finished ²	01/10	FD	49201	141.401	142.243	142.170	142.854	142.625
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy ^{2, 4}	12/10	FD	49202	140.419	140.925	140.902	141.532	141.692
Total finished less foods and energy ^{2, 4}	01/10	FD	49203	141.278	141.789	141.777	142.410	142.563
Total finished less foods and food and nonalcoholic beverages for immediate consumption ^{2, 4}	12/10	FD	49204	139.503	140.237	140.123	140.886	140.688
Total finished less foods ^{2, 4}	01/10	FD	49205	140.916	141.658	141.554	142.323	142.118
Total finished less energy ²	01/10	FD	49206	141.782	142.412	142.429	142.979	143.087
Finished goods ²	00/82	FD	49207	254.981	258.283	258.131	259.184	256.951
Finished goods less energy ²	00/82	FD	49208	253.983	255.921	256.547	256.355	256.547
Finished goods, excluding foods ^{2, 4}	00/82	FD	49209	250.943	253.852	253.423	255.155	252.658
Finished services ²	01/10	FD	49210	139.783	140.303	140.231	140.957	141.067
Private capital investment services.....	04/10	FD	49211	142.610	142.983	141.878	145.000	143.216
Finished distributive services ^{2, 5}	04/10	FD	49212	145.627	146.272	145.181	145.805	146.211
Finished services less trade services ²	04/10	FD	49213	136.391	136.873	137.218	137.992	137.931
Finished services less distributive services ^{2, 5}	04/10	FD	49214	135.851	136.309	136.703	137.469	137.442
Total private capital investment (goods, services, and construction).....	04/10	FD	49215	142.360	142.738	142.313	144.062	143.189
Finished goods plus finished distributive services ²	04/10	FD	49216	143.814	145.076	144.506	145.110	144.663
Total exports.....	04/10	FD	49301	140.430	140.848	140.678	141.630	141.307
Goods for export.....	00/82	FD	49302	231.071	231.732	230.912	231.797	232.082
Services for export.....	04/10	FD	49303	152.895	153.370	153.619	155.210	154.196
Total government purchases.....	04/10	FD	49401	137.313	138.702	138.554	139.488	137.885
Government purchased goods.....	00/82	FD	49402	230.228	235.086	234.574	235.746	230.216
Government purchased services.....	04/10	FD	49403	135.207	135.630	135.575	136.811	136.315
Total government purchased capital investment (goods, services, construction).....	08/13	FD	49404	133.146	133.500	133.224	134.531	133.679
Government purchases, defense.....	05/15	FD	49405	124.141	125.806	125.319	126.194	124.599
Government purchases, non-defense.....	05/15	FD	49406	131.729	132.879	132.896	133.780	132.293
Personal consumption.....	01/10	FD	49501	141.100	142.048	142.056	142.496	142.415
Personal consumption goods (finished consumer goods).....	00/82	FD	49502	271.775	276.191	275.685	277.073	273.712
Personal consumption goods less energy.....	00/82	FD	49503	273.740	276.396	276.993	276.495	276.590
Personal consumption goods less foods.....	00/82	FD	49504	271.547	275.781	274.680	277.303	273.051
Personal consumption nondurable goods less foods.....	00/82	FD	49508	306.255	312.319	310.466	314.227	307.935
Personal consumption services.....	04/10	FD	49505	138.824	139.365	139.453	139.806	140.208
Personal consumption less trade services.....	04/10	FD	49506	138.593	139.634	139.845	140.546	139.983
Personal consumption less distributive services ⁵	04/10	FD	49507	138.353	139.398	139.636	140.329	139.769
Personal consumption less foods and energy.....	04/14	FD	49510	130.052	130.556	130.647	130.957	131.350
Personal consumption less foods, energy, and trade services ³	04/14	FD	49511	127.865	128.366	128.709	129.283	129.279
Personal consumption less foods, energy, and distributive services ⁵	04/14	FD	49512	127.907	128.393	128.773	129.337	129.359
Personal consumption goods plus personal consumption distributive services ⁵	08/13	FD	49509	132.328	133.649	133.179	133.315	133.223
Intermediate Demand by Commodity Type								
Processed goods								
Processed goods for intermediate demand.....	00/82	ID6	1	254.209	257.788	256.459	257.861	254.048
Materials and components for manufacturing.....	00/82	ID6	11	232.171	233.959	232.741	233.257	233.637
Materials for manufacturing.....		ID6	111	142.994	144.578	143.219	143.606	143.914
Materials for food manufacturing.....	00/82	ID6	1111	246.367	250.435	252.689	252.929	253.616
Materials for nondurable manufacturing.....	00/82	ID6	1112	257.917	259.770	260.236	262.277	261.103
Materials for durable manufacturing.....	00/82	ID6	1113	280.819	284.522	276.199	275.539	278.159
Components for manufacturing.....	00/82	ID6	112	189.474	189.919	190.207	190.481	190.634
Components for nondurable manufacturing.....		ID6	1121	145.497	146.006	146.278	147.108	147.208
Components for durable manufacturing.....		ID6	1122	133.809	134.116	134.317	134.481	134.590
Materials and components for construction.....	00/82	ID6	12	354.563	355.475	355.882	356.946	356.823
Materials for construction.....		ID6	121	168.476	169.260	170.121	170.865	170.456
Components for construction.....		ID6	122	180.369	180.536	180.178	180.517	180.751
Processed fuels and lubricants for intermediate demand.....	00/82	ID6	13	238.189	251.355	247.759	252.415	232.291
Processed fuels and lubricants to manufacturing industries.....	00/82	ID6	131	247.728	254.445	251.525	254.530	239.039

See footnotes at end of table.

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

[May 2024, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Jan. 2024	Feb. 2024 ^P	Mar. 2024 ^P	Apr. 2024 ^P	May 2024 ^P
Processed fuels and lubricants to nonmanufacturing industries.....	00/82	ID6	132	235.451	250.700	246.882	252.073	230.441
Containers for intermediate demand.....	00/82	ID6	14	304.379	304.579	303.869	305.086	306.544
Supplies for intermediate demand.....	00/82	ID6	15	250.199	250.167	250.006	250.422	250.649
Supplies to manufacturing industries.....	00/82	ID6	151	246.709	246.730	247.359	248.547	248.882
Supplies to nonmanufacturing industries.....	00/82	ID6	152	248.755	248.715	248.432	248.725	248.934
Supplies to nonmanufacturing industries, feeds.....	00/82	ID6	1521	224.963	217.264	212.731	210.611	210.885
Supplies to nonmanufacturing industries, other than feeds.....	00/82	ID6	1522	253.848	254.805	255.074	255.683	255.886
Unprocessed goods								
Unprocessed goods for intermediate demand.....	00/82	ID6	2	244.751	243.936	240.295	246.236	241.878
Unprocessed foodstuffs and feedstuffs.....	00/82	ID6	21	208.890	212.186	215.616	214.352	216.390
Unprocessed nonfood materials.....	00/82	ID6	22	260.200	256.419	247.775	258.717	249.879
Unprocessed nonfood materials except fuel.....	00/82	ID6	221	315.585	321.959	325.013	341.527	327.676
Unprocessed nonfood materials except fuel to manufacturing industries.....	00/82	ID6	2211	290.491	296.688	299.584	315.551	302.085
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	00/82	ID6	2212	368.909	368.697	370.301	371.833	372.246
Unprocessed fuel.....	00/82	ID6	222	143.049	120.250	89.902	89.789	90.851
Unprocessed fuel to manufacturing industries.....	00/82	ID6	2221	230.064	232.415	214.003	216.395	217.779
Unprocessed fuel to nonmanufacturing industries.....	00/82	ID6	2222	142.225	117.359	85.472	85.215	86.289
Services								
Services for intermediate demand.....		ID6	3	149.437	149.411	149.753	150.220	150.414
Trade services for intermediate demand ⁵		ID6	33	178.161	175.272	175.484	175.073	176.253
Trade services for manufacturing industries.....	12/12	ID6	331	164.296	160.298	160.742	160.471	161.167
Trade services for nonmanufacturing industries.....	12/12	ID6	332	157.089	155.814	155.764	155.298	156.713
Transportation and warehousing services for intermediate demand.....		ID6	32	157.358	158.864	158.874	159.788	160.242
Transportation of passengers for intermediate demand.....		ID6	321	136.129	140.209	142.621	137.593	131.834
Transportation of passengers for manufacturing industries.....		ID6	3211	136.277	140.437	142.897	137.771	131.899
Transportation of passengers for nonmanufacturing industries.....		ID6	3212	136.172	140.244	142.650	137.633	131.887
Transportation and warehousing of goods for intermediate demand.....		ID6	322	159.670	160.938	160.724	162.195	163.231
Transportation and warehousing of goods for manufacturing industries.....	12/12	ID6	3221	130.270	130.307	130.151	131.458	131.118
Transportation and warehousing of goods for nonmanufacturing industries.....	12/12	ID6	3222	143.334	144.763	144.564	145.854	147.128
Services less trade, transportation, and warehousing for intermediate demand.....		ID6	31	140.399	140.702	141.129	141.697	141.632
Services less trade, transportation, and warehousing for manufacturing industries.....		ID6	311	132.637	132.565	133.030	133.652	133.735
Services less trade, transportation, and warehousing for nonmanufacturing industries.....		ID6	312	140.644	140.960	141.385	141.952	141.881
Construction								
Construction for intermediate demand.....		ID6	4	146.391	146.520	147.363	147.665	147.974
Intermediate Demand by Commodity Type Special Groupings								
Processed materials less foods and feeds.....	00/82	ID6	9111	255.696	259.566	258.063	259.661	255.397
Processed foods and feeds.....	00/82	ID6	9112	239.931	240.637	241.023	240.485	241.120
Processed energy goods.....	00/82	ID6	9113	239.295	252.542	248.926	253.609	233.378
Processed materials less energy.....	00/82	ID6	9118	254.873	255.999	255.257	255.824	256.149
Processed materials less foods and energy.....	00/82	ID6	9115	256.307	257.485	256.599	257.307	257.591
Intermediate distributive services ⁶	04/10	ID6	9116	167.595	166.551	166.575	166.986	168.087
Processed goods plus intermediate distributive services.....	04/10	ID6	9117	146.121	147.267	146.745	147.414	146.194
Unprocessed materials less agricultural products.....	00/82	ID6	9211	267.549	264.805	254.394	267.807	257.438
Unprocessed energy materials ⁷	00/82	ID6	9212	200.285	198.053	187.388	200.310	187.029
Unprocessed materials less energy.....	00/82	ID6	9213	264.511	265.179	268.007	267.717	271.177
Unprocessed nonfood materials less energy ⁸	00/82	ID6	9216	430.833	423.296	424.173	426.927	434.788
Intermediate Demand by Production Flow								
Stage 4 Intermediate Demand								
Stage 4 intermediate demand.....		ID5	4	150.341	150.522	150.766	151.336	151.082
Inputs to stage 4 goods producers.....		ID5	41	146.658	146.254	146.052	146.437	146.971
Goods.....		ID5	411	138.532	138.554	138.139	138.341	138.803
Foods.....		ID5	4111	141.700	138.817	139.081	138.979	140.354
Energy.....		ID5	4112	140.035	140.103	129.996	137.594	136.410
Goods excluding foods and energy.....		ID5	4113	138.142	138.608	138.178	138.357	138.696
Services.....		ID5	412	173.705	171.868	172.384	173.385	174.160
Trade services.....		ID5	4123	187.018	184.332	184.930	185.906	187.072
Transportation and warehousing services.....		ID5	4122	136.500	136.781	137.136	137.471	136.355
Transportation of passengers.....		ID5	41221	136.300	140.463	142.924	137.795	131.919
Transportation and warehousing of goods.....		ID5	41222	145.578	145.119	145.086	146.512	146.252
Services less trade, transportation, and warehousing.....		ID5	4121	133.012	133.062	133.355	134.549	134.749
Inputs to stage 4 services producers.....		ID5	42	148.421	148.936	149.490	150.157	149.624

See footnotes at end of table.

Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued
 [May 2024, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Jan. 2024	Feb. 2024 ^P	Mar. 2024 ^P	Apr. 2024 ^P	May 2024 ^P
Goods.....		ID5	421	145.397	147.255	147.093	147.932	146.237
Foods.....		ID5	4211	146.212	147.535	149.130	149.433	150.069
Energy.....		ID5	4212	139.107	144.122	142.441	144.390	138.298
Goods excluding foods and energy.....		ID5	4213	147.967	148.118	148.312	148.657	148.847
Services.....		ID5	422	149.209	149.271	150.064	150.672	150.529
Trade services.....		ID5	4223	165.903	164.567	164.850	165.515	166.557
Transportation and warehousing services.....		ID5	4222	152.638	155.374	155.921	156.306	155.633
Transportation of passengers.....		ID5	42221	135.774	139.896	142.334	137.254	131.435
Transportation and warehousing of goods.....		ID5	42222	156.139	158.651	158.880	160.194	160.389
Services less trade, transportation, and warehousing.....		ID5	4221	145.999	145.931	146.798	147.418	147.206
Construction.....		ID5	423	146.391	146.520	147.363	147.665	147.974
Inputs to stage 4 construction producers.....		ID5	43	164.018	164.110	164.050	164.624	163.769
Goods.....		ID5	431	167.828	168.838	168.835	169.705	168.452
Energy.....		ID5	4312	145.501	153.253	150.419	155.874	141.960
Goods excluding foods and energy.....		ID5	4313	173.919	174.282	174.563	174.994	174.979
Services.....		ID5	432	154.172	151.957	151.752	151.585	151.729
Trade services.....		ID5	4323	176.190	170.421	169.793	168.043	168.281
Transportation and warehousing services.....		ID5	4322	145.720	146.283	145.844	146.772	145.935
Transportation of passengers.....		ID5	43221	142.077	146.409	148.970	143.632	137.519
Transportation and warehousing of goods.....		ID5	43222	146.582	147.058	146.543	147.627	146.913
Services less trade, transportation, and warehousing.....		ID5	4321	133.154	132.912	133.157	133.887	134.321
Stage 3 Intermediate Demand								
Stage 3 intermediate demand.....		ID5	3	146.062	147.432	147.255	147.578	146.592
Inputs to stage 3 goods producers.....		ID5	31	153.482	154.563	154.468	154.159	153.981
Goods.....		ID5	311	147.218	149.588	149.363	149.177	149.038
Foods.....		ID5	3111	153.739	159.303	161.540	159.798	158.925
Energy.....		ID5	3112	137.550	135.501	134.147	135.858	129.671
Goods excluding foods and energy.....		ID5	3113	149.133	150.476	149.268	149.625	150.145
Services.....		ID5	312	167.292	163.305	163.717	162.952	162.640
Trade services.....		ID5	3123	177.741	169.954	170.765	168.715	168.545
Transportation and warehousing services.....		ID5	3122	149.063	149.606	149.348	149.946	149.134
Transportation of passengers.....		ID5	31221	145.120	149.550	152.170	146.711	140.458
Transportation and warehousing of goods.....		ID5	31222	149.070	149.399	148.982	149.913	149.403
Services less trade, transportation, and warehousing.....		ID5	3121	136.822	136.563	136.940	137.632	137.864
Inputs to stage 3 services producers.....		ID5	32	139.373	140.974	140.750	141.516	139.933
Goods.....		ID5	321	121.735	128.367	127.301	129.083	119.197
Foods.....		ID5	3211	154.938	154.112	154.006	153.354	153.638
Energy.....		ID5	3212	118.666	129.431	127.429	129.946	113.534
Goods excluding foods and energy.....		ID5	3213	136.166	136.526	136.934	137.668	137.781
Services.....		ID5	322	143.837	144.128	144.112	144.615	145.199
Trade services.....		ID5	3223	198.322	196.868	196.655	195.091	196.805
Transportation and warehousing services.....		ID5	3222	165.895	167.646	167.458	168.851	171.115
Transportation of passengers.....		ID5	32221	104.463	104.655	104.742	104.494	104.236
Transportation and warehousing of goods.....		ID5	32222	166.414	168.173	167.985	169.385	171.661
Services less trade, transportation, and warehousing.....		ID5	3221	135.014	135.010	135.052	135.437	135.494
Construction.....		ID5	323	146.391	146.520	147.363	147.665	147.974
Inputs to stage 3 construction producers.....		ID5	33	142.315	142.023	141.347	142.121	142.325
Goods.....		ID5	331	134.174	134.547	135.001	136.385	136.412
Goods excluding foods and energy.....		ID5	3313	170.970	171.445	172.023	173.787	173.821
Services.....		ID5	332	170.890	169.763	167.638	167.780	168.224
Trade services.....		ID5	3323	175.924	174.742	172.310	172.422	172.927
Transportation and warehousing services.....		ID5	3322	116.953	115.897	115.957	117.306	117.586
Transportation and warehousing of goods.....		ID5	33222	123.448	122.334	122.398	123.821	124.116
Services less trade, transportation, and warehousing.....		ID5	3321	128.060	127.671	128.410	128.260	127.997
Stage 2 Intermediate Demand								
Stage 2 intermediate demand.....		ID5	2	135.572	135.623	134.387	136.272	135.184
Inputs to stage 2 goods producers.....		ID5	21	122.759	121.894	119.708	122.894	120.669
Goods.....		ID5	211	117.257	116.154	112.960	116.913	113.846
Foods.....		ID5	2111	148.099	139.614	137.753	136.832	139.092
Energy.....		ID5	2112	88.840	87.905	83.437	89.126	83.310
Goods excluding foods and energy.....		ID5	2113	140.463	141.023	140.133	141.746	142.489
Services.....		ID5	212	152.961	152.767	153.605	154.657	154.918
Trade services.....		ID5	2123	172.635	171.753	173.589	174.337	175.241
Transportation and warehousing services.....		ID5	2122	170.320	169.923	170.308	172.672	172.802
Transportation of passengers.....		ID5	21221	136.675	140.662	143.018	138.104	132.477
Transportation and warehousing of goods.....		ID5	21222	172.277	171.667	171.957	174.677	175.087
Services less trade, transportation, and warehousing.....		ID5	2121	138.744	139.504	139.797	140.073	139.776
Construction.....		ID5	213	146.391	146.520	147.363	147.665	147.974

See footnotes at end of table.

Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued
 [May 2024, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Jan. 2024	Feb. 2024 ^P	Mar. 2024 ^P	Apr. 2024 ^P	May 2024 ^P
Inputs to stage 2 services producers.....		ID5	22	146.721	147.894	147.863	148.093	148.433
Goods.....		ID5	221	143.149	144.268	143.783	144.183	143.220
Foods.....		ID5	2211	112.661	111.343	110.928	109.478	108.986
Energy.....		ID5	2212	147.220	158.645	154.243	156.448	140.116
Goods excluding foods and energy.....		ID5	2213	143.596	144.073	143.843	144.150	144.188
Services.....		ID5	222	146.741	147.940	147.946	148.152	148.653
Trade services.....		ID5	2223	186.939	186.676	187.516	182.046	189.566
Transportation and warehousing services.....		ID5	2222	149.352	150.923	149.544	150.891	155.440
Transportation of passengers.....		ID5	22221	136.722	140.867	143.317	138.210	132.359
Transportation and warehousing of goods.....		ID5	22222	152.262	153.364	151.273	153.816	160.301
Services less trade, transportation, and warehousing.....		ID5	2221	145.547	146.794	146.863	147.251	147.128
Construction.....		ID5	223	146.391	146.520	147.363	147.665	147.974
Stage 1 Intermediate Demand								
Stage 1 intermediate demand.....		ID5	1	145.885	146.462	146.170	146.642	145.479
Inputs to stage 1 goods producers.....		ID5	11	143.566	143.249	141.616	141.901	141.634
Goods.....		ID5	111	139.166	140.129	137.872	138.374	137.949
Foods.....		ID5	1111	135.635	130.511	131.771	130.215	133.609
Energy.....		ID5	1112	122.693	127.554	122.871	125.151	119.329
Goods excluding foods and energy.....		ID5	1113	147.307	148.387	146.060	146.496	146.713
Services.....		ID5	112	159.891	155.831	155.981	155.639	155.825
Trade services.....		ID5	1123	177.020	169.393	169.409	167.500	167.914
Transportation and warehousing services.....		ID5	1122	158.522	159.382	160.498	161.745	160.910
Transportation of passengers.....		ID5	11221	136.274	140.436	142.897	137.768	131.894
Transportation and warehousing of goods.....		ID5	11222	162.232	162.265	163.035	165.848	166.272
Services less trade, transportation, and warehousing.....		ID5	1121	112.588	112.808	112.955	114.335	114.363
Construction.....		ID5	113	146.391	146.520	147.363	147.665	147.974
Inputs to stage 1 services producers.....		ID5	12	146.060	147.090	147.553	148.138	146.563
Goods.....		ID5	121	143.825	147.178	147.004	148.190	143.079
Foods.....		ID5	1211	127.985	144.703	138.846	140.360	131.902
Energy.....		ID5	1212	146.580	156.648	155.832	158.881	141.803
Goods excluding foods and energy.....		ID5	1213	150.524	150.789	150.948	151.316	151.610
Services.....		ID5	122	146.327	146.372	147.102	147.430	147.354
Trade services.....		ID5	1223	177.906	175.957	175.558	174.597	176.286
Transportation and warehousing services.....		ID5	1222	144.467	147.224	147.903	146.723	145.009
Transportation of passengers.....		ID5	12221	136.193	140.352	142.811	137.686	131.815
Transportation and warehousing of goods.....		ID5	12222	164.271	166.586	166.402	167.171	167.460
Services less trade, transportation, and warehousing.....		ID5	1221	141.785	141.638	142.478	143.142	143.128
Construction.....		ID5	123	146.391	146.520	147.363	147.665	147.974
Inputs to stage 1 construction producers.....		ID5	13	163.121	164.141	164.047	164.559	162.715
Goods.....		ID5	131	164.004	165.810	166.320	167.010	164.265
Energy.....		ID5	1312	124.267	138.011	138.389	141.966	114.351
Goods excluding foods and energy.....		ID5	1313	171.475	171.869	172.403	172.755	172.970
Services.....		ID5	132	161.995	161.079	159.492	159.569	159.940
Trade services.....		ID5	1323	172.988	171.424	169.377	169.160	169.908
Transportation and warehousing services.....		ID5	1322	119.995	120.803	120.313	121.078	120.372
Transportation and warehousing of goods.....		ID5	13222	124.119	124.955	124.448	125.239	124.509
Services less trade, transportation, and warehousing.....		ID5	1321	140.944	140.115	140.647	141.160	142.333
Intermediate Demand by Production Flow Special Groupings								
Total goods inputs to stage 4 intermediate demand.....	04/10	ID5	9411	143.436	144.198	143.949	144.468	143.941
Total services inputs to stage 4 intermediate demand.....	04/10	ID5	9412	152.876	152.518	153.201	153.803	153.803
Total construction inputs to stage 4 intermediate demand.....	04/10	ID5	9413	145.178	145.306	146.142	146.442	146.748
Total foods inputs to stage 4 intermediate demand.....	04/10	ID5	9414	140.490	139.433	140.249	140.320	141.354
Total energy goods inputs to stage 4 intermediate demand.....	04/10	ID5	9415	128.609	133.455	131.482	133.958	127.379
Total goods less foods and energy inputs to stage 4 intermediate demand.....	04/10	ID5	9416	147.256	147.628	147.498	147.769	147.991
Total goods inputs to stage 3 intermediate demand.....	04/10	ID5	9311	133.690	136.956	136.546	136.869	134.365
Total services inputs to stage 3 intermediate demand.....	04/10	ID5	9312	146.848	146.428	146.461	146.751	147.184
Total construction inputs to stage 3 intermediate demand.....	04/10	ID5	9313	145.178	145.306	146.142	146.442	146.748
Total foods inputs to stage 3 intermediate demand.....	04/10	ID5	9314	136.846	141.749	143.722	142.180	141.412
Total energy goods inputs to stage 3 intermediate demand.....	04/10	ID5	9315	119.197	127.854	125.986	128.336	113.755
Total goods less foods and energy inputs to stage 3 intermediate demand.....	04/10	ID5	9316	141.230	142.352	141.471	141.896	142.323
Total goods inputs to stage 2 intermediate demand.....	04/10	ID5	9211	114.168	113.344	110.579	113.981	111.275
Total services inputs to stage 2 intermediate demand.....	04/10	ID5	9212	148.699	149.573	149.776	150.182	150.629
Total construction inputs to stage 2 intermediate demand.....	04/10	ID5	9213	145.178	145.306	146.142	146.442	146.748
Total foods inputs to stage 2 intermediate demand.....	04/10	ID5	9214	148.524	140.100	138.250	137.314	139.544
Total energy goods inputs to stage 2 intermediate demand.....	04/10	ID5	9215	87.635	86.858	82.483	88.015	82.204
Total goods less foods and energy inputs to stage 2 intermediate demand.....	04/10	ID5	9216	133.138	133.648	132.955	134.187	134.732
Total goods inputs to stage 1 intermediate demand.....	04/10	ID5	9111	128.759	130.453	129.482	130.160	128.039

See footnotes at end of table.

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

[May 2024, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Jan. 2024	Feb. 2024 ^p	Mar. 2024 ^p	Apr. 2024 ^p	May 2024 ^p
Total services inputs to stage 1 intermediate demand.....	04/10	ID5	9112	148.915	148.193	148.669	148.864	148.863
Total construction inputs to stage 1 intermediate demand.....	04/10	ID5	9117	145.178	145.306	146.142	146.442	146.748
Total foods inputs to stage 1 intermediate demand.....	04/10	ID5	9114	127.378	123.066	124.086	122.694	125.610
Total energy goods inputs to stage 1 intermediate demand.....	04/10	ID5	9115	130.205	138.178	135.963	138.648	125.717
Total goods less foods and energy inputs to stage 1 intermediate demand.....	04/10	ID5	9116	127.068	127.638	126.832	127.161	127.361

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.

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

“-” Data not available.