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PRODUCER PRICE INDEXES – MARCH 2024

The Producer Price Index for final demand rose 0.2 percent in March, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. Final demand prices moved up 0.6 percent in February and 0.4 percent in January. (See table A.) On an unadjusted basis, the index for final demand increased 2.1 percent for the 12 months ended in March, the largest advance since rising 2.3 percent for the 12 months ended April 2023.

The March increase in the index for final demand is attributable to a 0.3-percent rise in prices for final demand services. In contrast, the index for final demand goods edged down 0.1 percent.

The index for final demand less foods, energy, and trade services moved up 0.2 percent in March after rising 0.3 percent in February. For the 12 months ended in March, prices for final demand less foods, energy, and trade services increased 2.8 percent.

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

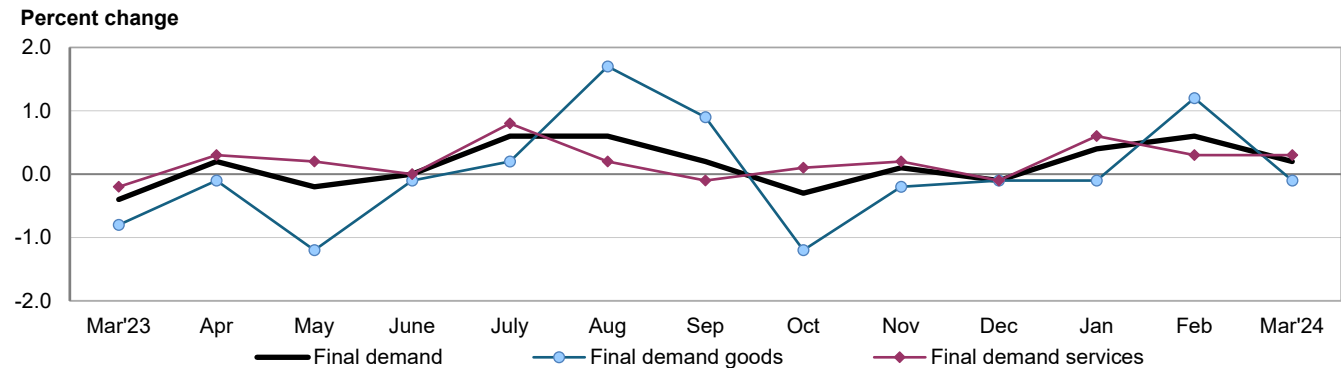
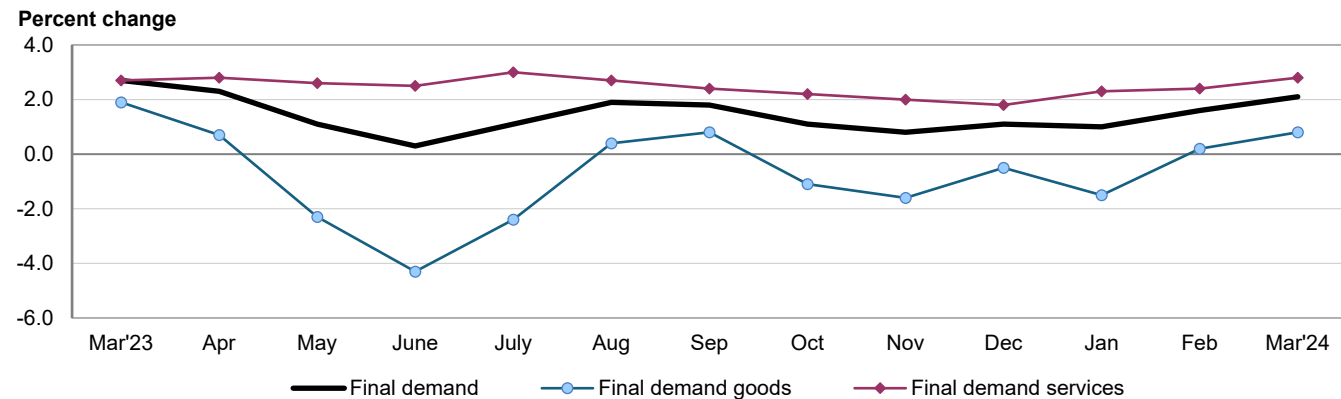


Chart 2. Twelve-month percent changes in selected PPI final demand price indexes, not seasonally adjusted



Final Demand

Final demand services: The index for final demand services moved up 0.3 percent in March, the third consecutive rise. Leading the broad-based March increase, prices for final demand services less trade, transportation, and warehousing advanced 0.2 percent. The indexes for final demand trade services and for final demand transportation and warehousing services moved up 0.3 percent and 0.8 percent, respectively. (Trade indexes measure changes in margins received by wholesalers and retailers.)

Product detail: A major factor in the March increase in prices for final demand services was the index for securities brokerage, dealing, investment advice, and related services, which rose 3.1 percent. The indexes for professional and commercial equipment wholesaling; airline passenger services; investment banking; deposit services (partial); and computer hardware, software, and supplies retailing also moved higher. Conversely, prices for traveler accommodation services decreased 3.8 percent. The indexes for automobiles retailing (partial) and for machinery and equipment parts and supplies wholesaling also fell. (See table 2.)

Final demand goods: Prices for final demand goods decreased 0.1 percent in March after rising 1.2 percent in February. The decline is attributable to the index for final demand energy, which moved down 1.6 percent. In contrast, prices for final demand foods and for final demand goods less foods and energy advanced 0.8 percent and 0.1 percent, respectively.

Product detail: Leading the March decline in the index for final demand goods, prices for gasoline decreased 3.6 percent. The indexes for chicken eggs, carbon steel scrap, jet fuel, and fresh fruits and melons also fell. Conversely, prices for processed poultry jumped 10.7 percent. The indexes for fresh and dry vegetables, residential electric power, and motor vehicles also moved higher.

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												
Mar...	-0.4	0.1	-0.8	0.3	-4.6	0.2	-0.2	-0.7	-0.7	0.1	2.7	3.7
Apr....	0.2	0.2	-0.1	-0.7	-0.1	0.1	0.3	0.5	-2.2	0.5	2.3	3.4
May. ...	-0.2	0.0	-1.2	-0.8	-5.4	0.1	0.2	0.7	-0.7	0.1	1.1	2.9
June...	0.0	0.2	-0.1	-0.4	0.4	-0.1	0.0	-0.8	-0.3	0.5	0.3	2.9
July...	0.6	0.2	0.2	0.3	0.8	0.0	0.8	1.7	0.2	0.4	1.1	2.9
Aug...	0.6	0.2	1.7	-0.4	8.9	0.1	0.2	-0.1	0.0	0.3	1.9	2.9
Sept...	0.2	0.3	0.9	0.4	3.2	0.3	-0.1	-1.1	0.4	0.3	1.8	2.9
Oct....	-0.3	0.1	-1.2	0.2	-6.4	0.1	0.1	0.0	0.5	0.1	1.1	2.8
Nov. ¹ ..	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. ¹ ..	-0.1	0.3	-0.1	0.0	-0.8	0.1	-0.1	-1.1	-0.1	0.4	1.1	2.7
2024												
Jan. ¹ ..	0.4	0.6	-0.1	-0.3	-1.2	0.3	0.6	0.2	-0.2	0.8	1.0	2.7
Feb. ¹ ..	0.6	0.3	1.2	1.1	4.1	0.3	0.3	0.1	1.1	0.3	1.6	2.7
Mar...	0.2	0.2	-0.1	0.8	-1.6	0.1	0.3	0.3	0.8	0.2	2.1	2.8

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

Intermediate Demand by Commodity Type

Within intermediate demand in March, prices for processed goods declined 0.5 percent, the index for unprocessed goods fell 1.9 percent, and prices for services rose 0.2 percent. (See tables B and C.)

Processed goods for intermediate demand: In March, the index for processed goods for intermediate demand moved down 0.5 percent, the largest decline since falling 0.7 percent in November 2023. Leading the March decrease, prices for processed energy goods dropped 1.5 percent. The index for processed materials less foods and energy moved down 0.4 percent. In contrast, prices for processed foods and feeds advanced 0.6 percent. For the 12 months ended in March, the index for processed goods for intermediate demand fell 1.7 percent.

Product detail: A major factor in the March decline in prices for processed goods for intermediate demand was the index for natural gas to electric utilities, which decreased 6.4 percent. Prices for ethanol, cold rolled steel sheet and strip, gasoline, commercial electric power, and prepared animal feeds also fell. Conversely, the index for processed poultry jumped 10.7 percent. Prices for primary basic organic chemicals and for diesel fuel also rose.

Unprocessed goods for intermediate demand: The index for unprocessed goods for intermediate demand moved down 1.9 percent in March following a 0.7-percent decline in February. The March decrease can be attributed to prices for unprocessed energy materials, which fell 6.9 percent. In contrast, the index for unprocessed foodstuffs and feedstuffs advanced 2.2 percent, and prices for unprocessed nonfood materials less energy increased 0.2 percent. For the 12 months ended in March, the index for unprocessed goods for intermediate demand dropped 7.1 percent.

Product detail: Leading the March decrease in prices for unprocessed goods for intermediate demand, the index for natural gas dropped 37.0 percent. Prices for carbon steel scrap, slaughter chickens, crude petroleum, fresh fruits and melons, and ungraded chicken eggs also fell. Conversely, the index for livestock increased 5.4 percent. Prices for nonferrous metal ores and for corn also rose.

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										
Mar.....	-0.8	-0.2	-3.1	-0.2	-1.0	-4.6	-0.6	-11.1	-0.6	-16.8
Apr.....	-0.7	-1.3	-3.4	0.2	-3.4	0.6	-2.2	3.7	1.0	-20.3
May.....	-1.4	-1.3	-5.9	-0.1	-7.2	-4.9	-4.1	-8.0	-1.7	-28.2
June.....	-0.5	-1.3	-0.6	-0.4	-9.4	-1.2	0.3	-2.8	-1.4	-32.1
July.....	-0.3	1.0	-0.2	-0.5	-7.6	2.5	-0.8	10.1	-2.9	-24.1
Aug.....	2.0	0.6	11.2	-0.2	-4.4	2.1	-0.1	6.0	-0.2	-26.2
Sept.....	0.5	0.7	2.1	0.0	-3.7	2.9	1.2	6.8	-0.4	-21.5
Oct.....	-1.0	-0.2	-4.3	-0.1	-4.6	-1.6	-2.1	-2.1	0.0	-14.8
Nov. ¹	-0.7	-0.5	-2.6	-0.3	-4.6	-2.1	-0.4	-5.3	0.7	-14.0
Dec. ¹	-0.4	0.1	-2.9	0.2	-2.8	-4.1	-3.3	-7.7	0.3	-18.7
2024										
Jan. ¹	-0.1	-1.6	-1.1	0.3	-3.8	1.5	-1.5	6.4	-1.3	-13.6
Feb. ¹	1.5	0.3	5.9	0.5	-2.0	-0.7	1.6	-2.0	-1.9	-9.7
Mar.....	-0.5	0.6	-1.5	-0.4	-1.7	-1.9	2.2	-6.9	0.2	-7.1

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Services for intermediate demand: Prices for services for intermediate demand moved up 0.2 percent in March after no change in February. The advance can be traced to a 0.3-percent increase in the index for services less trade, transportation, and warehousing for intermediate demand. Both margins for trade services for intermediate demand and prices for transportation and warehousing services for intermediate demand were unchanged. For the 12 months ended in March, the index for services for intermediate demand rose 3.6 percent.

Product detail: More than half of the March increase in the index for services for intermediate demand can be attributed to a 3.1-percent advance in prices for securities brokerage, dealing, investment advice, and related services. The indexes for investment banking; metals, minerals, and ores wholesaling; deposit services (partial); gross rents for office buildings; and airline passenger services also moved higher. In contrast, prices for television advertising time sales fell 8.4 percent. The indexes for arrangement of freight and cargo transportation and for machinery and equipment parts and supplies 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, change from 12 months ago (unadj.)
	Total	Trade	Transportation and warehousing	Other	
2023					
Mar.....	-0.2	0.9	-0.9	-0.4	4.5
Apr.....	0.6	0.9	-1.0	0.9	4.4
May.....	0.1	-0.3	-0.4	0.4	3.9
June.....	0.0	-0.9	-0.2	0.3	4.4
July.....	0.7	2.1	0.9	0.2	4.7
Aug.....	-0.1	-0.6	-0.7	0.1	4.2
Sept.....	0.3	-0.4	0.8	0.4	4.0
Oct.....	0.0	1.5	0.4	-0.5	3.5
Nov. ¹	0.5	1.5	-0.2	0.4	3.2
Dec. ¹	0.4	-0.2	0.8	0.5	3.6
2024					
Jan. ¹	0.7	1.1	0.1	0.8	3.4
Feb. ¹	0.0	-1.5	1.2	0.1	3.1
Mar.....	0.2	0.0	0.0	0.3	3.6

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Intermediate Demand by Production Flow

Stage 4 intermediate demand: Prices for stage 4 intermediate demand moved up 0.2 percent in March, the fifth consecutive rise. In March, the index for total services inputs to stage 4 intermediate demand advanced 0.4 percent. In contrast, prices for total goods inputs declined 0.2 percent. Increases in the indexes for securities brokerage, dealing, investment advice, and related services; investment banking; processed poultry; metals, minerals, and ores wholesaling; gross rents for office buildings; and food and alcohol wholesaling outweighed decreases in the indexes for gasoline; machinery and equipment parts and supplies wholesaling; and gross rents for retail properties. For the 12 months ended in March, prices for stage 4 intermediate demand rose 2.1 percent.

Stage 3 intermediate demand: Prices for stage 3 intermediate demand were unchanged in March after increasing 1.0 percent in February. In March, the index for total goods inputs to stage 3 intermediate demand edged down 0.1 percent, while the index for total services inputs was unchanged. Falling prices for jet fuel, slaughter chickens, arrangement of freight and cargo transportation, cold rolled steel sheet and strip, and television advertising time sales offset advances in the indexes for livestock; raw milk; primary basic organic chemicals; corn; and metals, minerals, and ores wholesaling. For the 12 months ended in March, prices for stage 3 intermediate demand decreased 0.4 percent.

Stage 2 intermediate demand: The index for stage 2 intermediate demand decreased 1.3 percent in March, the largest decline since falling 1.4 percent in May 2023. In March, prices for total goods inputs to stage 2 intermediate demand dropped 3.1 percent, while the index for total services inputs was unchanged. Declining prices for gas fuels, carbon steel scrap, broadcast and network television advertising time sales, ethanol, crude petroleum, and arrangement of freight and cargo transportation outweighed increases in the indexes for deposit services (partial), primary basic organic chemicals, and nonferrous metal ores. For the 12 months ended in March, prices for stage 2 intermediate demand fell 0.4 percent.

Stage 1 intermediate demand: The index for stage 1 intermediate demand edged down 0.1 percent in March after increasing 0.4 percent in February. In March, prices for total goods inputs to stage 1 intermediate demand declined 0.7 percent. Conversely, the index for total services inputs moved up 0.5 percent. Decreasing prices for carbon steel scrap, ethanol, traveler accommodation services, natural gas to electric utilities, and cold rolled steel sheet and strip outweighed increases in the indexes for securities brokerage, dealing, investment advice, and related services; investment banking; primary basic organic chemicals; and metals, minerals, and ores wholesaling. For the 12 months ended in March, prices for stage 1 intermediate demand advanced 0.2 percent, the first increase since rising 0.7 percent in the 12 months ended March 2023.

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

Month	Stage 4 intermediate demand			Stage 3 intermediate demand			Stage 2 intermediate demand			Stage 1 intermediate demand		
	Total	Goods inputs	Ser-vices inputs	Total	Goods inputs	Ser-vices inputs	Total	Goods inputs	Ser-vices inputs	Total	Goods inputs	Ser-vices inputs
2023												
Mar.....	-0.2	-0.4	0.0	-0.6	-0.9	-0.3	-2.5	-4.9	-0.6	-0.3	-0.8	0.1
Apr.....	0.2	-0.2	0.6	-0.4	-1.6	0.6	0.9	1.1	0.7	-0.2	-0.9	0.5
May.....	-0.1	-0.5	0.2	-1.2	-2.6	-0.1	-1.4	-4.0	0.5	-0.8	-1.5	-0.2
June.....	0.0	-0.1	0.0	-0.3	-0.4	-0.2	-1.0	-2.0	-0.2	-0.3	-0.6	0.1
July.....	0.4	-0.1	0.8	-0.3	-1.3	0.6	1.9	3.9	0.6	0.1	-0.7	0.9
Aug.....	0.4	0.6	0.3	1.0	3.1	-0.6	0.7	2.2	-0.4	1.3	2.4	0.2
Sept.....	0.3	0.3	0.3	0.5	0.9	0.3	1.2	3.0	-0.1	0.3	0.3	0.2
Oct.....	-0.3	-0.5	-0.2	-0.5	-1.7	0.4	-0.3	-1.1	0.4	-0.4	-0.8	-0.1
Nov. ¹	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. ¹	0.2	0.0	0.4	-0.4	-1.6	0.6	-1.2	-3.4	0.4	-0.2	-0.7	0.3
2024												
Jan. ¹	0.6	-0.1	1.1	0.3	0.0	0.5	1.0	1.7	0.6	0.4	-0.2	0.9
Feb. ¹	0.2	0.6	-0.2	1.0	2.6	-0.2	-0.1	-0.9	0.6	0.4	1.4	-0.5
Mar.....	0.2	-0.2	0.4	0.0	-0.1	0.0	-1.3	-3.1	0.0	-0.1	-0.7	0.5

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The Producer Price Index for April 2024 is scheduled to be released on Tuesday, May 14, 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
[March 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² Mar. 2023 to Mar. 2024 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Oct. to Nov.	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P	Feb. to Mar. ^P
Final Demand									
Final demand.....	FD	4	100.000	2.1	0.1	-0.1	0.4	0.6	0.2
Final demand goods.....	FD	41	30.099	0.8	-0.2	-0.1	-0.1	1.2	-0.1
Final demand foods.....	FD	411	5.587	1.0	0.7	0.0	-0.3	1.1	0.8
Finished consumer foods ³	FD	4111	4.272	3.0	0.7	0.1	0.4	1.9	0.8
Finished consumer foods, crude.....	FD	41113	0.351	-4.1	19.4	-6.3	8.0	10.2	-4.0
Finished consumer foods, processed.....	FD	41112	3.921	3.7	-0.7	0.7	-0.2	1.1	1.3
Government purchased foods.....	FD	4112	0.405	3.5	-0.1	0.6	-1.4	1.0	0.8
Foods for export.....	FD	4113	0.910	-8.7	0.7	-0.6	-2.9	-2.5	1.0
Final demand energy.....	FD	412	5.515	-1.0	-2.0	-0.8	-1.2	4.1	-1.6
Finished consumer energy goods ³	FD	4121	4.287	0.3	-1.5	0.6	-1.3	3.4	-1.5
Government purchased energy.....	FD	4122	0.837	-5.3	-3.3	-5.0	-1.1	7.2	-1.8
Energy for export.....	FD	4123	0.391	-6.3	-4.0	-7.5	0.0	5.8	-2.3
Final demand goods less foods and energy.....	FD	413	18.996	1.4	0.1	0.1	0.3	0.3	0.1
Finished goods less foods and energy ³	FD	4131	10.931	2.2	0.2	0.0	0.3	0.3	0.2
Finished consumer goods less foods and energy.....	FD	41311	5.809	1.8	0.2	0.0	0.2	0.4	0.1
Nondurable consumer goods less foods and energy.....	FD	413111	3.519	2.4	0.3	0.1	0.1	0.6	0.0
Durable consumer goods.....	FD	413112	2.290	1.0	0.2	0.0	0.2	0.1	0.3
Private capital equipment.....	FD	41312	5.122	2.7	0.2	0.1	0.5	0.3	0.4
Private capital equipment for manufacturing industries.....	FD	413121	1.254	3.6	0.2	0.2	0.7	0.3	0.5
Private capital equipment for nonmanufacturing industries.....	FD	413122	3.868	2.4	0.2	0.0	0.5	0.3	0.3
Government purchased goods, excluding foods and energy.....	FD	4132	1.959	1.8	-0.1	0.0	0.4	0.3	0.3
Government purchased goods excluding foods, energy, and capital equipment.....	FD	41321	1.146	0.2	-0.2	0.0	0.1	0.4	0.2
Government purchased capital equipment.....	FD	41322	0.813	4.2	0.2	0.1	0.8	0.2	0.4
Goods for export, excluding foods and energy.....	FD	4133	6.106	-0.1	0.0	0.1	0.1	0.3	-0.3
Final demand services.....	FD	42	67.245	2.8	0.2	-0.1	0.6	0.3	0.3
Final demand trade services ⁴	FD	423	19.337	0.7	0.4	-1.1	0.2	0.1	0.3
Trade of finished goods ³	FD	4231	16.652	0.3	0.2	-0.9	-0.1	0.2	0.3
Trade of personal consumption goods.....	FD	42311	13.614	0.6	-0.4	0.0	-0.5	0.3	0.1
Trade of private capital equipment.....	FD	42312	3.038	-1.4	2.8	-4.9	1.4	-0.3	1.1
Trade of government purchased goods.....	FD	4232	0.758	4.5	2.0	-2.8	1.5	0.1	0.3
Trade of government purchased goods, excluding capital equipment.....	FD	42321	0.478	5.5	0.6	-0.5	0.0	0.1	-0.2
Trade of government purchased capital equipment.....	FD	42322	0.280	2.8	4.4	-6.6	4.0	0.0	1.2
Trade of exports.....	FD	4233	1.927	3.6	2.3	-2.9	2.7	-0.7	0.4
Final demand transportation and warehousing services.....	FD	422	4.925	-0.8	-0.2	-0.1	-0.2	1.1	0.8
Transportation of passengers for final demand.....	FD	4221	1.262	2.0	-0.4	2.6	-0.7	2.7	2.2
Transportation of private passengers.....	FD	42211	0.851	2.0	-0.4	2.6	-0.7	2.6	2.2
Transportation of government passengers.....	FD	42212	0.102	2.0	-0.4	2.6	-0.7	2.6	2.2
Transportation of passengers for export.....	FD	42213	0.309	2.0	-0.4	2.6	-0.7	2.7	2.2
Transportation and warehousing of goods for final demand.....	FD	4222	3.663	-1.8	-0.2	-1.1	0.0	0.6	0.3
Transportation and warehousing of finished goods ³	FD	42221	2.370	-2.2	-0.2	-1.2	0.0	0.6	0.3
Transportation and warehousing of personal consumption goods.....	FD	422211	1.910	-2.0	-0.2	-1.1	0.0	0.7	0.3
Transportation and warehousing of private capital equipment.....	FD	422212	0.460	-2.8	-0.2	-1.3	-0.1	0.5	0.3
Transportation and warehousing of government purchased goods.....	FD	42222	0.220	-1.1	-0.1	-0.9	0.1	0.8	0.3
Transportation and warehousing of exports.....	FD	42223	1.073	-1.0	-0.2	-0.8	0.1	0.5	0.3
Final demand services less trade, transportation, and warehousing.....	FD	421	42.982	4.2	0.1	0.4	0.8	0.3	0.2
Finished services less trade, transportation, and warehousing ³	FD	4211	37.459	4.0	0.1	0.4	0.9	0.3	0.2
Finished consumer services less trade, transportation, and warehousing.....	FD	42111	32.980	4.2	0.1	0.4	1.0	0.3	0.1
Private capital investment services less trade, transportation, and warehousing.....	FD	42112	4.479	2.7	-0.1	0.6	-0.3	0.0	0.3
Government purchased services less trade, transportation, and warehousing.....	FD	4212	2.807	4.0	0.2	0.5	0.9	0.1	0.1
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....	FD	42121	2.644	4.1	0.2	0.5	1.0	0.2	0.1
Government purchased capital investment services less trade, transportation, and warehousing.....	FD	42122	0.163	1.1	-0.8	0.7	-0.7	-0.1	0.5
Services for export less trade, transportation, and warehousing.....	FD	4213	2.716	6.2	-0.1	1.1	0.7	0.5	1.0
Final demand construction.....	FD	43	2.656	-1.1	-0.2	0.0	0.3	0.0	0.1
Construction for private capital investment.....	FD	431	1.846	-1.2	-0.2	0.1	0.2	0.0	0.1
Construction for government.....	FD	432	0.810	-1.0	-0.1	0.0	0.4	0.0	0.0
Special Groupings of Final Demand									
Final demand less exports.....	FD	49101	86.568	2.3	0.0	0.0	0.4	0.6	0.2
Final demand less government.....	FD	49102	92.102	2.1	0.1	0.0	0.4	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
 [March 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² Mar. 2023 to Mar. 2024 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Oct. to Nov.	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P	Feb. to Mar. ^P
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy ⁵	FD	49103	88.469	2.3	0.2	-0.1	0.6	0.3	0.2
Final demand less foods and energy ⁵	FD	49104	88.898	2.4	0.2	0.0	0.5	0.3	0.2
Final demand less foods and food and nonalcoholic beverages for immediate consumption ⁵	FD	49105	93.984	2.1	0.0	-0.1	0.4	0.5	0.1
Final demand less foods ⁵	FD	49106	94.413	2.2	0.0	-0.1	0.4	0.5	0.1
Final demand less energy.....	FD	49107	94.485	2.3	0.2	0.0	0.5	0.3	0.3
Final demand less trade services.....	FD	49108	80.663	2.4	0.0	0.2	0.4	0.7	0.1
Final demand less distributive services ⁶	FD	49109	77.000	2.6	0.0	0.2	0.4	0.7	0.1
Final demand goods less energy.....	FD	49111	24.583	1.3	0.2	0.1	0.1	0.5	0.2
Final demand goods less foods.....	FD	49112	24.511	0.8	-0.4	-0.1	-0.1	1.2	-0.3
Final demand services less trade services.....	FD	49113	47.907	3.6	0.1	0.4	0.7	0.4	0.3
Final demand distributive services ⁶	FD	49114	23.000	0.3	0.3	-1.1	0.2	0.2	0.3
Final demand goods plus final demand distributive services ⁶	FD	49115	53.098	0.6	0.0	-0.6	0.0	0.7	0.1
Final demand less foods, energy, and trade services ⁵	FD	49116	69.561	2.8	0.1	0.3	0.6	0.3	0.2
Private and government purchased capital equipment.....	FD	49117	5.935	2.9	0.2	0.1	0.6	0.3	0.4
Private and government purchased capital investment services.....	FD	49118	8.420	0.8	1.1	-1.8	0.4	-0.1	0.6
Total private and government purchased capital investment.....	FD	49119	14.355	1.2	0.6	-0.9	0.5	0.0	0.5
Total finished ³	FD	49201	78.668	2.4	0.1	0.0	0.4	0.6	0.2
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy ^{3, 5}	FD	49202	69.684	2.4	0.1	0.0	0.5	0.3	0.2
Total finished less foods and energy ^{3, 5}	FD	49203	70.109	2.5	0.1	0.0	0.5	0.3	0.2
Total finished less foods and food and nonalcoholic beverages for immediate consumption ^{3, 5}	FD	49204	73.971	2.3	0.0	0.0	0.4	0.5	0.1
Total finished less foods ^{3, 5}	FD	49205	74.396	2.3	0.0	0.0	0.4	0.5	0.1
Total finished less energy ³	FD	49206	74.381	2.5	0.1	0.0	0.5	0.4	0.3
Finished goods ³	FD	49207	19.490	1.9	-0.1	0.2	0.0	1.4	0.0
Finished goods less energy ³	FD	49208	15.203	2.4	0.4	0.1	0.4	0.8	0.4
Finished goods, excluding foods ^{3, 5}	FD	49209	15.218	1.6	-0.3	0.2	-0.2	1.2	-0.3
Finished services ³	FD	49210	57.332	2.6	0.1	0.0	0.5	0.3	0.2
Private capital investment services.....	FD	49211	7.977	0.7	1.0	-1.7	0.3	-0.1	0.6
Finished distributive services ^{3, 6}	FD	49212	19.022	0.0	0.1	-0.9	-0.1	0.2	0.3
Finished services less trade services ³	FD	49213	40.680	3.6	0.1	0.3	0.8	0.4	0.2
Finished services less distributive services ^{3, 6}	FD	49214	38.310	4.0	0.1	0.4	0.8	0.3	0.2
Total private capital investment (goods, services, and construction).....	FD	49215	14.945	1.2	0.6	-0.9	0.4	0.0	0.5
Finished goods plus finished distributive services ^{3, 6}	FD	49216	38.512	1.0	0.0	-0.4	-0.1	0.8	0.1
Total exports.....	FD	49301	13.432	0.8	0.2	-0.4	0.3	0.2	0.2
Goods for export.....	FD	49302	7.407	-1.6	-0.1	-0.4	-0.3	0.2	-0.3
Services for export.....	FD	49303	6.025	3.8	0.6	-0.4	1.1	0.2	0.7
Total government purchases.....	FD	49401	7.898	1.7	-0.2	-0.6	0.4	1.0	0.0
Government purchased goods.....	FD	49402	3.201	0.0	-1.0	-1.3	-0.2	2.2	-0.2
Government purchased services.....	FD	49403	3.887	3.7	0.5	-0.2	0.9	0.2	0.2
Total government purchased capital investment (goods, services, construction).....	FD	49404	2.066	1.7	0.6	-0.8	1.0	0.1	0.4
Government purchases, defense.....	FD	49405	2.345	2.1	-0.2	-1.3	0.6	1.4	-0.1
Government purchases, non-defense.....	FD	49406	5.553	1.5	-0.2	-0.3	0.3	0.8	0.1
Personal consumption.....	FD	49501	63.723	2.6	-0.1	0.2	0.4	0.7	0.1
Personal consumption goods (finished consumer goods).....	FD	49502	14.368	1.7	-0.2	0.2	-0.2	1.7	-0.2
Personal consumption goods less energy.....	FD	49503	10.081	2.3	0.5	0.1	0.3	1.0	0.4
Personal consumption goods less foods.....	FD	49504	10.096	1.1	-0.5	0.3	-0.5	1.7	-0.6
Personal consumption nondurable goods less foods.....	FD	49508	7.806	1.2	-0.8	0.4	-0.7	2.1	-0.8
Personal consumption services.....	FD	49505	49.355	2.9	0.0	0.2	0.5	0.4	0.2
Personal consumption less trade services.....	FD	49506	50.109	3.2	0.0	0.3	0.6	0.8	0.1
Personal consumption less distributive services ⁶	FD	49507	48.199	3.4	0.0	0.4	0.6	0.8	0.1
Personal consumption less foods and energy.....	FD	49510	55.164	2.8	0.0	0.2	0.5	0.4	0.2
Personal consumption less foods, energy, and trade services ⁴	FD	49511	41.550	3.5	0.1	0.3	0.8	0.4	0.2
Personal consumption less foods, energy, and distributive services ⁶	FD	49512	39.640	3.8	0.1	0.4	0.9	0.4	0.2
Personal consumption goods plus personal consumption distributive services ⁶	FD	49509	29.892	1.0	-0.3	0.1	-0.3	1.0	0.0
Intermediate Demand by Commodity Type									
Processed goods									
Processed goods for intermediate demand.....	ID6	1	100.000	-1.7	-0.7	-0.4	-0.1	1.5	-0.5
Materials and components for manufacturing.....	ID6	11	43.089	-1.3	-0.5	0.2	0.2	0.8	-0.5
Materials for manufacturing.....	ID6	111	26.451	-3.1	-0.8	0.3	0.1	1.2	-0.9
Materials for food manufacturing.....	ID6	1111	4.344	-0.3	-0.6	0.6	-1.5	1.7	1.4
Materials for nondurable manufacturing.....	ID6	1112	11.712	-5.1	-1.0	-0.5	-0.8	1.0	0.1
Materials for durable manufacturing.....	ID6	1113	10.395	-1.9	-0.7	1.0	1.8	1.3	-2.8
Components for manufacturing.....	ID6	112	16.638	1.6	0.1	0.2	0.4	0.2	0.2

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² Mar. 2023 to Mar. 2024 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Oct. to Nov.	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P	Feb. to Mar. ^P
Components for nondurable manufacturing.....	ID6	1121	0.801	-0.5	0.1	0.3	-0.2	0.4	0.1
Components for durable manufacturing.....	ID6	1122	15.837	1.7	0.1	0.2	0.4	0.2	0.2
Materials and components for construction.....	ID6	12	10.771	1.4	0.1	0.2	0.2	0.3	-0.1
Materials for construction.....	ID6	121	4.730	2.2	0.1	0.1	0.3	0.5	0.1
Components for construction.....	ID6	122	6.041	0.7	0.2	0.3	0.1	0.1	-0.2
Processed fuels and lubricants for intermediate demand.....	ID6	13	18.764	-4.5	-2.6	-2.9	-1.1	5.9	-1.5
Processed fuels and lubricants to manufacturing industries.....	ID6	131	4.777	-5.2	-1.8	-2.6	-1.4	3.7	-0.8
Processed fuels and lubricants to nonmanufacturing industries.....	ID6	132	13.987	-4.2	-2.8	-2.9	-1.0	6.7	-1.7
Containers for intermediate demand.....	ID6	14	3.103	-2.4	-0.4	0.0	-0.1	0.0	-0.3
Supplies for intermediate demand.....	ID6	15	24.273	-1.2	-0.1	0.0	-0.1	0.0	-0.1
Supplies to manufacturing industries.....	ID6	151	3.228	-0.3	0.0	0.1	0.4	0.0	0.1
Supplies to nonmanufacturing industries.....	ID6	152	21.045	-1.3	-0.2	0.0	-0.2	0.0	-0.1
Supplies to nonmanufacturing industries, feeds.....	ID6	1521	2.214	-13.3	0.1	-1.6	-2.6	-3.4	-1.9
Supplies to nonmanufacturing industries, other than feeds.....	ID6	1522	18.831	0.2	-0.2	0.2	0.1	0.4	0.1
Unprocessed goods									
Unprocessed goods for intermediate demand.....	ID6	2	100.000	-7.1	-2.1	-4.1	1.5	-0.7	-1.9
Unprocessed foodstuffs and feedstuffs.....	ID6	21	38.165	-9.2	-0.4	-3.3	-1.5	1.6	2.2
Unprocessed nonfood materials.....	ID6	22	61.836	-5.7	-3.0	-4.6	3.3	-2.0	-4.3
Unprocessed nonfood materials except fuel.....	ID6	221	50.586	-0.8	-5.0	-5.5	1.6	2.0	-0.4
Unprocessed nonfood materials except fuel to manufacturing industries.....	ID6	2211	47.969	-1.2	-5.3	-5.8	1.5	2.0	-0.4
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	ID6	2212	2.617	-8.2	0.5	0.4	2.5	1.2	0.5
Unprocessed fuel.....	ID6	222	11.250	-30.1	7.9	-0.4	11.4	-18.9	-25.2
Unprocessed fuel to manufacturing industries.....	ID6	2221	1.006	-5.8	3.8	-1.4	2.7	-3.9	-6.5
Unprocessed fuel to nonmanufacturing industries.....	ID6	2222	10.244	-32.6	8.3	-0.3	12.3	-20.2	-27.3
Services									
Services for intermediate demand.....	ID6	3	100.000	3.6	0.5	0.4	0.7	0.0	0.2
Trade services for intermediate demand ⁴	ID6	33	18.328	3.1	1.5	-0.2	1.1	-1.5	0.0
Trade services for manufacturing industries.....	ID6	331	9.049	1.9	2.1	-0.4	2.2	-2.3	0.1
Trade services for nonmanufacturing industries.....	ID6	332	9.279	4.3	0.8	-0.1	0.0	-0.8	0.0
Transportation and warehousing services for intermediate demand.....	ID6	32	13.925	1.8	-0.2	0.8	0.1	1.2	0.0
Transportation of passengers for intermediate demand.....	ID6	321	1.033	2.0	-0.4	2.6	-0.7	2.6	2.2
Transportation of passengers for manufacturing industries.....	ID6	3211	0.123	2.0	-0.4	2.6	-0.7	2.7	2.2
Transportation of passengers for nonmanufacturing industries.....	ID6	3212	0.910	2.0	-0.4	2.6	-0.7	2.6	2.2
Transportation and warehousing of goods for intermediate demand.....	ID6	322	12.892	1.8	-0.2	0.6	0.1	1.1	-0.2
Transportation and warehousing of goods for manufacturing industries.....	ID6	3221	2.732	-0.8	0.0	-0.6	0.2	0.1	0.3
Transportation and warehousing of goods for nonmanufacturing industries.....	ID6	3222	10.160	2.5	-0.2	1.0	0.1	1.4	-0.3
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	67.747	4.1	0.4	0.5	0.8	0.1	0.3
Services less trade, transportation, and warehousing for manufacturing industries.....	ID6	311	2.130	4.6	0.1	0.5	1.8	-0.1	0.4
Services less trade, transportation, and warehousing for nonmanufacturing industries.....	ID6	312	65.617	4.1	0.4	0.5	0.8	0.1	0.3
Construction									
Construction for intermediate demand.....	ID6	4	100.000	2.7	0.0	0.0	0.3	0.0	0.6
Special Groupings of Intermediate Demand by Commodity Type									
Processed materials less foods and feeds.....	ID6	9111	91.153	-1.5	-0.8	-0.5	0.0	1.6	-0.6
Processed foods and feeds.....	ID6	9112	8.847	-3.1	-0.5	0.1	-1.6	0.3	0.6
Processed energy goods.....	ID6	9113	18.764	-4.5	-2.6	-2.9	-1.1	5.9	-1.5
Processed materials less energy.....	ID6	9118	81.236	-1.0	-0.3	0.2	0.1	0.5	-0.3
Processed materials less foods and energy.....	ID6	9115	72.389	-0.7	-0.3	0.2	0.3	0.5	-0.4
Intermediate distributive services ⁷	ID6	9116	31.220	2.6	0.8	0.1	0.7	-0.4	0.0
Processed goods plus intermediate distributive services.....	ID6	9117	-	-0.4	-0.3	-0.3	0.1	0.9	-0.4
Unprocessed materials less agricultural products.....	ID6	9211	56.663	-3.2	-3.1	-4.9	4.1	-1.7	-4.8
Unprocessed energy materials ⁸	ID6	9212	36.891	-4.1	-5.3	-7.7	6.4	-2.0	-6.9
Unprocessed materials less energy.....	ID6	9213	63.109	-8.6	0.0	-1.9	-1.4	0.2	1.4
Unprocessed nonfood materials less energy ⁹	ID6	9216	24.944	-7.7	0.7	0.3	-1.3	-1.9	0.2
Intermediate Demand by Production Flow									
Stage 4 Intermediate Demand									
Stage 4 intermediate demand.....	ID5	4	100.000	2.1	0.2	0.2	0.6	0.2	0.2
Inputs to stage 4 goods producers.....	ID5	41	29.665	-0.4	0.3	-0.1	0.5	-0.2	-0.2
Goods.....	ID5	411	21.643	-1.5	-0.2	-0.1	0.1	0.1	-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
 [March 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² Mar. 2023 to Mar. 2024 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Oct. to Nov.	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P	Feb. to Mar. ^P
Foods.....	ID5	4111	2.941	-9.1	0.4	-0.2	-1.9	-2.0	0.3
Energy.....	ID5	4112	0.170	-22.2	-6.7	-5.4	-1.6	0.0	-1.4
Goods excluding foods and energy.....	ID5	4113	18.532	0.0	-0.2	0.0	0.4	0.4	-0.3
Services.....	ID5	412	8.022	2.7	1.6	-0.2	1.5	-0.9	-0.1
Trade services.....	ID5	4123	6.017	2.6	2.0	-0.3	1.8	-1.2	-0.3
Transportation and warehousing services.....	ID5	4122	4.092	-0.2	0.2	-0.1	0.2	0.1	0.6
Transportation of passengers.....	ID5	41221	0.076	2.0	-0.4	2.6	-0.7	2.7	2.2
Transportation and warehousing of goods.....	ID5	41222	0.416	-0.6	0.3	-0.6	0.4	-0.4	0.3
Services less trade, transportation, and warehousing.....	ID5	4121	1.513	3.9	0.3	0.3	0.6	0.0	0.2
Inputs to stage 4 services producers.....	ID5	42	55.644	3.8	0.1	0.4	0.7	0.4	0.4
Goods.....	ID5	421	13.716	0.3	-0.5	0.0	-0.6	1.3	-0.1
Foods.....	ID5	4211	2.241	1.3	-1.1	0.4	-1.3	1.0	2.0
Energy.....	ID5	4212	4.062	-1.0	-1.1	-0.2	-1.7	3.7	-1.5
Goods excluding foods and energy.....	ID5	4213	7.413	0.6	0.1	0.0	0.3	0.2	0.2
Services.....	ID5	422	41.875	5.0	0.3	0.5	1.1	0.0	0.6
Trade services.....	ID5	4223	4.149	3.8	1.1	-0.9	1.5	-0.6	0.0
Transportation and warehousing services.....	ID5	4222	3.724	2.9	-0.2	0.7	0.1	1.9	0.4
Transportation of passengers.....	ID5	42221	0.480	2.0	-0.4	2.6	-0.7	2.7	2.2
Transportation and warehousing of goods.....	ID5	42222	3.244	3.0	-0.2	0.5	0.2	1.8	0.1
Services less trade, transportation, and warehousing.....	ID5	4221	34.002	5.4	0.3	0.7	1.2	-0.1	0.7
Construction.....	ID5	423	0.053	2.7	0.0	0.0	0.3	0.0	0.6
Inputs to stage 4 construction producers.....	ID5	43	14.690	1.1	0.1	0.2	0.3	0.1	-0.1
Goods.....	ID5	431	10.712	1.3	-0.2	0.3	0.1	0.7	-0.2
Energy.....	ID5	4312	0.762	-4.2	-3.5	-0.8	-2.3	5.8	-1.8
Goods excluding foods and energy.....	ID5	4313	9.950	1.9	0.2	0.4	0.3	0.2	0.0
Services.....	ID5	432	3.978	0.5	0.7	0.1	0.6	-1.5	0.1
Trade services.....	ID5	4323	1.728	0.0	1.6	0.5	1.2	-3.4	0.1
Transportation and warehousing services.....	ID5	4322	0.661	-2.7	-0.1	-1.2	0.0	0.3	0.3
Transportation of passengers.....	ID5	43221	0.015	2.0	-0.4	2.6	-0.7	2.7	2.2
Transportation and warehousing of goods.....	ID5	43222	0.646	-2.8	0.0	-1.3	0.0	0.3	0.3
Services less trade, transportation, and warehousing.....	ID5	4321	1.589	2.4	0.1	0.1	0.1	-0.2	0.1
Stage 3 Intermediate Demand									
Stage 3 intermediate demand.....	ID5	3	100.000	-0.4	-0.2	-0.4	0.3	1.0	0.0
Inputs to stage 3 goods producers.....	ID5	31	43.800	-3.1	-0.2	-0.6	0.5	0.7	0.3
Goods.....	ID5	311	33.969	-3.9	-0.7	-0.7	0.2	1.6	0.2
Foods.....	ID5	3111	10.337	-7.7	-1.6	-2.8	-1.3	3.6	2.3
Energy.....	ID5	3112	1.164	-11.1	-3.3	-3.4	0.4	-1.4	1.7
Goods excluding foods and energy.....	ID5	3113	22.468	-1.5	-0.2	0.4	0.8	0.9	-0.8
Services.....	ID5	312	9.831	-0.4	1.5	-0.1	1.7	-2.4	0.5
Trade services.....	ID5	3123	5.506	-1.0	2.8	0.0	2.8	-4.4	0.6
Transportation and warehousing services.....	ID5	3122	2.865	-1.3	-0.1	-0.7	0.2	0.4	0.5
Transportation of passengers.....	ID5	31221	0.149	2.0	-0.4	2.6	-0.7	2.7	2.2
Transportation and warehousing of goods.....	ID5	31222	2.716	-1.5	-0.1	-0.9	0.2	0.3	0.4
Services less trade, transportation, and warehousing.....	ID5	3121	1.460	3.5	0.0	0.3	0.4	-0.2	0.3
Inputs to stage 3 services producers.....	ID5	32	55.023	1.8	-0.2	-0.2	0.1	1.3	-0.3
Goods.....	ID5	321	9.949	-3.9	-2.5	-4.4	-0.4	6.0	-1.1
Foods.....	ID5	3211	0.088	-4.3	0.6	-0.7	-0.7	-0.5	-0.1
Energy.....	ID5	3212	5.884	-6.4	-4.0	-7.2	-0.8	9.9	-2.0
Goods excluding foods and energy.....	ID5	3213	3.977	0.4	0.0	0.0	0.3	0.3	0.3
Services.....	ID5	322	44.469	3.1	0.4	0.8	0.3	0.3	-0.1
Trade services.....	ID5	3223	2.814	4.8	0.3	0.4	-1.3	-0.5	0.1
Transportation and warehousing services.....	ID5	3222	10.389	3.6	-0.2	1.6	0.0	1.6	-0.6
Transportation of passengers.....	ID5	32221	0.021	0.1	0.1	0.2	-0.1	0.2	0.1
Transportation and warehousing of goods.....	ID5	32222	10.368	3.6	-0.2	1.6	0.0	1.6	-0.6
Services less trade, transportation, and warehousing.....	ID5	3221	31.266	2.8	0.6	0.5	0.5	-0.1	0.1
Construction.....	ID5	323	0.605	2.7	0.0	0.0	0.3	0.0	0.6
Inputs to stage 3 construction producers.....	ID5	33	1.176	2.2	0.4	0.1	0.0	-0.5	-0.2
Goods.....	ID5	331	0.568	0.5	0.0	0.2	0.3	0.4	0.3
Goods excluding foods and energy.....	ID5	3313	0.568	0.5	0.0	0.2	0.3	0.4	0.3
Services.....	ID5	332	0.608	3.9	0.8	0.0	-0.2	-1.3	-0.6
Trade services.....	ID5	3323	0.561	4.0	0.9	-0.1	-0.3	-1.4	-0.7
Transportation and warehousing services.....	ID5	3322	0.016	2.6	0.3	0.2	0.9	-0.7	0.2
Transportation and warehousing of goods.....	ID5	33222	0.016	2.6	0.3	0.2	0.9	-0.7	0.2
Services less trade, transportation, and warehousing.....	ID5	3321	0.031	2.9	-0.3	0.4	0.8	-0.4	0.5
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
 [March 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² Mar. 2023 to Mar. 2024 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Oct. to Nov.	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P	Feb. to Mar. ^P
Stage 2 intermediate demand.....	ID5	2	100.000	-0.4	-1.0	-1.2	1.0	-0.1	-1.3
Inputs to stage 2 goods producers.....	ID5	21	50.555	-3.4	-1.8	-2.8	1.7	-0.9	-2.4
Goods.....	ID5	211	35.815	-6.0	-2.7	-3.8	2.0	-1.2	-3.5
Foods.....	ID5	2111	4.080	-16.7	0.6	-2.2	-4.7	-5.7	-1.5
Energy.....	ID5	2112	15.983	-4.0	-5.4	-7.4	6.2	-1.6	-6.6
Goods excluding foods and energy.....	ID5	2113	15.752	-5.2	-0.5	-0.3	-0.6	0.4	-0.8
Services.....	ID5	212	14.451	3.6	0.7	-0.1	0.9	-0.1	0.3
Trade services.....	ID5	2123	5.731	5.2	1.6	-1.0	1.3	-0.5	0.3
Transportation and warehousing services.....	ID5	2122	4.784	1.7	0.1	0.5	0.5	-0.2	0.2
Transportation of passengers.....	ID5	21221	0.180	1.9	-0.4	2.5	-0.7	2.6	2.1
Transportation and warehousing of goods.....	ID5	21222	4.604	1.7	0.1	0.4	0.6	-0.3	0.2
Services less trade, transportation, and warehousing.....	ID5	2121	3.936	3.6	0.0	0.4	0.7	0.5	0.3
Construction.....	ID5	213	0.289	2.7	0.0	0.0	0.3	0.0	0.6
Inputs to stage 2 services producers.....	ID5	22	49.447	2.6	0.0	0.5	0.4	0.8	-0.1
Goods.....	ID5	221	5.262	-1.6	-0.5	-0.3	-0.3	0.9	-0.3
Foods.....	ID5	2211	0.051	-10.2	1.7	-0.5	-0.8	-1.6	-0.6
Energy.....	ID5	2212	0.322	-7.5	-2.6	-3.0	0.2	8.2	-2.7
Goods excluding foods and energy.....	ID5	2213	4.889	-1.1	-0.4	-0.1	-0.3	0.4	-0.2
Services.....	ID5	222	43.220	3.1	0.0	0.6	0.5	0.8	-0.1
Trade services.....	ID5	2223	2.383	6.6	-1.2	1.4	-2.8	0.1	0.4
Transportation and warehousing services.....	ID5	2222	2.817	1.2	-0.2	4.5	-0.4	2.3	-1.5
Transportation of passengers.....	ID5	22221	0.417	2.0	-0.4	2.6	-0.7	2.7	2.2
Transportation and warehousing of goods.....	ID5	22222	2.400	1.0	-0.1	4.8	-0.3	2.3	-2.2
Services less trade, transportation, and warehousing.....	ID5	2221	38.020	3.1	0.1	0.3	0.7	0.7	0.0
Construction.....	ID5	223	0.965	2.7	0.0	0.0	0.3	0.0	0.6
Stage 1 Intermediate Demand									
Stage 1 intermediate demand.....	ID5	1	100.000	0.2	-0.2	-0.2	0.4	0.4	-0.1
Inputs to stage 1 goods producers.....	ID5	11	32.376	-4.1	-0.5	-0.4	0.5	-0.2	-0.9
Goods.....	ID5	111	23.318	-6.2	-1.3	-0.5	-0.3	0.7	-1.4
Foods.....	ID5	1111	2.758	-18.9	-1.0	-1.0	-3.8	-3.8	1.0
Energy.....	ID5	1112	3.446	-10.6	-3.4	-3.4	-0.2	4.1	-2.0
Goods excluding foods and energy.....	ID5	1113	17.114	-2.9	-0.9	0.2	0.2	0.7	-1.7
Services.....	ID5	112	9.057	1.6	1.5	-0.1	2.5	-2.5	0.6
Trade services.....	ID5	1123	5.505	0.0	2.3	-0.7	3.8	-4.3	0.6
Transportation and warehousing services.....	ID5	1122	0.603	4.8	0.0	1.0	0.2	1.0	0.9
Transportation of passengers.....	ID5	11221	0.103	2.0	-0.4	2.6	-0.7	2.7	2.2
Transportation and warehousing of goods.....	ID5	11222	0.500	5.4	0.0	0.7	0.3	0.6	0.6
Services less trade, transportation, and warehousing.....	ID5	1121	2.949	3.8	0.4	0.8	0.5	0.2	0.6
Construction.....	ID5	113	0.001	2.7	0.0	0.0	0.3	0.0	0.6
Inputs to stage 1 services producers.....	ID5	12	54.733	2.7	0.0	0.0	0.4	0.7	0.3
Goods.....	ID5	121	16.086	-0.7	-0.9	-1.1	-0.3	2.4	-0.3
Foods.....	ID5	1211	0.064	-30.4	0.5	0.0	0.0	13.1	-4.2
Energy.....	ID5	1212	5.040	-4.0	-2.6	-3.8	-1.4	7.3	-0.8
Goods excluding foods and energy.....	ID5	1213	10.982	1.3	0.0	0.2	0.2	0.2	0.1
Services.....	ID5	122	38.644	4.1	0.4	0.5	0.7	0.0	0.5
Trade services.....	ID5	1223	3.829	3.7	0.7	0.7	-0.6	-0.9	-0.1
Transportation and warehousing services.....	ID5	1222	4.412	2.6	-0.3	0.8	-0.1	1.8	0.7
Transportation of passengers.....	ID5	12221	1.343	2.0	-0.4	2.6	-0.7	2.7	2.2
Transportation and warehousing of goods.....	ID5	12222	3.069	2.8	-0.2	0.0	0.1	1.5	0.1
Services less trade, transportation, and warehousing.....	ID5	1221	30.403	4.4	0.4	0.4	1.0	-0.2	0.5
Construction.....	ID5	123	0.003	2.7	0.0	0.0	0.3	0.0	0.6
Inputs to stage 1 construction producers.....	ID5	13	12.891	1.3	0.1	-0.4	0.1	0.6	0.0
Goods.....	ID5	131	9.205	1.1	-0.2	-0.5	0.2	1.2	0.2
Energy.....	ID5	1312	0.754	-9.1	-4.2	-8.6	-0.9	11.8	0.3
Goods excluding foods and energy.....	ID5	1313	8.451	2.2	0.2	0.3	0.3	0.3	0.2
Services.....	ID5	132	3.686	1.9	0.8	-0.2	-0.2	-1.0	-0.4
Trade services.....	ID5	1323	2.807	3.4	1.1	0.1	-0.2	-1.5	-0.7
Transportation and warehousing services.....	ID5	1322	0.783	-3.1	-0.2	-1.4	-0.2	0.7	0.4
Transportation and warehousing of goods.....	ID5	13222	0.783	-3.1	-0.2	-1.4	-0.2	0.7	0.4
Services less trade, transportation, and warehousing.....	ID5	1321	0.096	2.7	0.1	0.5	0.7	-0.6	0.2
Special Groupings of Intermediate Demand by Production Flow									
Total goods inputs to stage 4 intermediate demand.....	ID5	9411	46.071	-0.3	-0.3	0.0	-0.1	0.6	-0.2
Total services inputs to stage 4 intermediate demand.....	ID5	9412	53.875	4.3	0.5	0.4	1.1	-0.2	0.4
Total construction inputs to stage 4 intermediate demand.....	ID5	9413	0.053	2.7	0.0	0.0	0.3	0.0	0.6
Total foods inputs to stage 4 intermediate demand.....	ID5	9414	5.182	-4.8	-0.2	0.1	-1.6	-0.7	1.1

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² Mar. 2023 to Mar. 2024 ^p	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Oct. to Nov.	Nov. to Dec. ^p	Dec. to Jan. ^p	Jan. to Feb. ^p	Feb. to Mar. ^p
Total energy goods inputs to stage 4 intermediate demand.....	ID5	9415	4.994	-2.4	-1.7	-0.4	-1.8	3.9	-1.6
Total goods less foods and energy inputs to stage 4 intermediate demand.	ID5	9416	35.895	0.6	0.0	0.1	0.4	0.3	-0.1
Total goods inputs to stage 3 intermediate demand.....	ID5	9311	44.486	-3.8	-1.1	-1.6	0.0	2.6	-0.1
Total services inputs to stage 3 intermediate demand.....	ID5	9312	54.908	2.5	0.6	0.6	0.5	-0.2	0.0
Total construction inputs to stage 3 intermediate demand.....	ID5	9313	0.605	2.7	0.0	0.0	0.3	0.0	0.6
Total foods inputs to stage 3 intermediate demand.....	ID5	9314	10.425	-7.7	-1.5	-2.8	-1.3	3.6	2.3
Total energy goods inputs to stage 3 intermediate demand.....	ID5	9315	7.048	-7.2	-3.9	-6.6	-0.6	8.0	-1.4
Total goods less foods and energy inputs to stage 3 intermediate demand.	ID5	9316	27.013	-1.2	-0.1	0.3	0.7	0.8	-0.6
Total goods inputs to stage 2 intermediate demand.....	ID5	9211	41.077	-5.4	-2.5	-3.4	1.7	-0.9	-3.1
Total services inputs to stage 2 intermediate demand.....	ID5	9212	57.671	3.2	0.2	0.4	0.6	0.6	0.0
Total construction inputs to stage 2 intermediate demand.....	ID5	9213	1.254	2.7	0.0	0.0	0.3	0.0	0.6
Total foods inputs to stage 2 intermediate demand.....	ID5	9214	4.131	-16.6	0.6	-2.2	-4.7	-5.6	-1.4
Total energy goods inputs to stage 2 intermediate demand.....	ID5	9215	16.305	-4.0	-5.3	-7.3	6.1	-1.4	-6.5
Total goods less foods and energy inputs to stage 2 intermediate demand.	ID5	9216	20.641	-4.3	-0.5	-0.3	-0.5	0.4	-0.6
Total goods inputs to stage 1 intermediate demand.....	ID5	9111	48.609	-3.0	-0.9	-0.7	-0.2	1.4	-0.7
Total services inputs to stage 1 intermediate demand.....	ID5	9112	51.387	3.5	0.6	0.3	0.9	-0.5	0.5
Total construction inputs to stage 1 intermediate demand.....	ID5	9117	0.004	2.7	0.0	0.0	0.3	0.0	0.6
Total foods inputs to stage 1 intermediate demand.....	ID5	9114	2.822	-19.2	-1.0	-1.0	-3.8	-3.4	0.9
Total energy goods inputs to stage 1 intermediate demand.....	ID5	9115	9.240	-6.9	-3.0	-4.1	-0.9	6.4	-1.2
Total goods less foods and energy inputs to stage 1 intermediate demand.	ID5	9116	36.547	-0.5	-0.4	0.2	0.3	0.5	-0.7

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
 [March 2024]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Mar. 2023 to Mar. 2024 ^P	Oct. to Nov.	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P
Final Demand								
Final demand.....	FD	4	2.1	0.1	-0.1	0.4	0.6	0.2
Final demand goods.....	FD	41	0.8	-0.2	-0.1	-0.1	1.2	-0.1
Final demand foods.....	FD	411	1.0	0.7	0.0	-0.3	1.1	0.8
Fresh fruits and melons ²	01	11	-11.7	18.2	-0.6	3.7	-12.7	-7.9
Fresh and dry vegetables ²	01	13	26.4	11.2	-5.6	9.6	8.9	15.3
Grains.....	01	2	-31.9	-3.0	-1.4	-5.2	-8.3	2.5
Eggs for fresh use ²	01	7107	-29.7	71.2	-20.5	14.6	55.0	-29.8
Oilseeds.....	01	8301	-20.6	2.2	-3.8	-9.2	-8.9	-0.3
Bakery products ²	02	11	3.2	0.0	0.0	0.1	0.6	0.1
Milled rice ²	02	13	-9.6	-1.4	-0.1	-0.8	0.1	-0.9
Pasta products ²	02	1402	-11.4	0.0	0.0	-1.8	-0.6	0.0
Beef and veal.....	02	2101	12.4	0.4	0.5	-4.4	4.9	1.2
Pork.....	02	2104	7.8	0.3	20.5	-5.8	-0.2	-0.5
Processed young chickens.....	02	2203	21.8	-3.2	3.8	0.9	0.4	14.1
Processed turkeys ²	02	2206	-32.3	-1.8	-2.7	4.3	-4.5	0.1
Finfish and shellfish.....	02	23	-3.9	0.3	-0.3	5.5	-4.9	1.9
Dairy products ²	02	3	-0.9	-0.6	-1.4	-1.3	1.0	0.9
Processed fruits and vegetables ²	02	4	6.2	0.2	0.1	0.6	0.2	-0.9
Confectionery end products ²	02	55	3.7	0.2	0.2	0.3	1.1	0.7
Soft drinks ²	02	62	5.0	-0.6	-1.1	3.4	2.1	0.2
Roasted coffee ²	02	6301	6.9	0.0	0.3	-0.2	-0.2	0.3
Shortening and cooking oils ²	02	78	-4.6	1.1	-1.8	-1.0	0.4	0.6
Frozen specialty food ²	02	85	1.7	0.2	-0.2	0.7	0.2	-0.1
Final demand energy.....	FD	412	-1.0	-2.0	-0.8	-1.2	4.1	-1.6
Liquefied petroleum gas ²	05	32	0.6	-5.7	-0.8	3.5	3.6	-0.5
Residential electric power.....	05	41	3.9	0.5	0.5	-0.5	0.2	0.5
Residential natural gas.....	05	51	-4.2	1.0	-0.1	1.4	0.9	-1.4
Gasoline.....	05	71	-1.5	-4.0	2.1	-3.4	6.7	-3.6
Home heating oil and distillates.....	05	7302	-5.2	-5.0	-3.4	-0.6	1.1	-6.6
No. 2 diesel fuel.....	05	7303	-6.2	-3.7	-9.3	-0.7	14.9	0.9
Final demand goods less foods and energy.....	FD	413	1.4	0.1	0.1	0.3	0.3	0.1
Alcoholic beverages.....	02	61	0.9	0.1	0.1	0.2	-0.2	-0.3
Pet food ²	02	9402	0.2	0.0	0.0	-0.2	0.5	0.0
Women's, girls', and infants' apparel ²	03	8106	1.7	0.0	0.0	2.2	0.0	0.1
Men's and boys' apparel ²	03	8107	2.7	0.0	0.0	1.0	0.3	0.0
Textile housefurnishings ²	03	82	0.5	0.0	0.0	0.0	1.0	-0.2
Footwear ²	04	3	1.7	0.1	0.0	0.2	0.7	0.0
Industrial chemicals.....	06	1	-9.3	-2.9	-1.7	-3.1	2.5	0.0
Pharmaceutical preparations.....	06	38	1.6	0.1	0.2	-0.4	0.2	0.0
Soaps and detergents ²	06	71	1.6	-0.2	1.5	0.3	0.0	0.0
Cleaning and polishing products ²	06	72	0.8	-0.1	0.0	0.1	0.5	0.0
Cosmetics and other toiletries ²	06	75	2.2	0.0	0.0	0.0	0.8	0.1
Tires ²	07	1201	-1.0	-0.1	0.0	0.0	0.0	-0.1
Consumer, institutional, and commercial products, n.e.c. ²	07	2B	0.1	-0.1	-0.1	0.0	0.1	0.2
Sanitary paper products ²	09	1501	-2.9	-0.4	-1.3	-0.2	0.2	-0.6
Iron and steel scrap.....	10	12	-18.1	4.9	-1.0	-3.8	-4.0	-15.7
Agricultural machinery and equipment ²	11	1	2.1	-0.5	0.2	0.0	0.1	0.5
Construction machinery and equipment ²	11	2	3.9	0.9	0.1	0.5	0.1	0.0
Metal cutting machine tools ²	11	37	2.2	0.0	0.0	0.2	0.2	0.9
Metal forming machine tools.....	11	38	11.0	-0.4	0.6	0.4	0.9	0.6
Tools, dies, jigs, fixtures, and industrial molds ²	11	39	5.4	0.4	0.2	3.0	0.0	0.0
Pumps, compressors, and equipment ²	11	41	6.3	0.1	0.5	1.2	0.4	0.8
Industrial material handling equipment ²	11	44	2.8	0.1	0.0	1.3	0.1	0.2
Electronic computers and computer equipment ²	11	5	-0.3	0.3	0.7	1.4	0.1	-0.3
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	4.1	0.0	0.3	0.7	0.1	1.0
Printing trades machinery and equipment ²	11	65	2.4	-0.2	0.6	-0.1	-0.6	0.5
Transformers and power regulators ²	11	74	4.1	0.0	1.6	0.7	0.0	0.4
Communication and related equipment.....	11	76	5.0	0.2	0.2	2.1	0.4	1.0
Electronic components and accessories.....	11	78	0.5	0.2	0.0	0.6	-0.2	-0.1
X-ray and electromedical equipment ²	11	7905	1.7	0.0	0.0	0.1	0.4	0.0
Oil field and gas field machinery ²	11	91	2.8	0.0	0.0	1.7	0.0	0.0
Mining machinery and equipment ²	11	92	9.8	2.4	0.0	0.2	0.2	0.0
Internal combustion engines ²	11	94	4.3	0.1	0.0	2.0	0.0	0.0

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Mar. 2023 to Mar. 2024 ^P	Oct. to Nov.	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P
Household furniture ²	12	1	-1.5	-0.1	0.0	0.1	-0.1	0.6
Commercial furniture ²	12	2	2.6	0.6	-0.7	0.4	1.3	0.1
Floor coverings ²	12	3	-0.5	-1.1	-0.3	1.5	-1.9	0.0
Household appliances ²	12	4	0.9	0.4	-0.1	0.1	-1.0	0.4
Home electronic equipment ²	12	5	2.1	0.2	0.0	0.0	0.0	1.9
Lawn and garden equipment excl. garden tractors ²	12	66	1.9	0.6	0.6	0.1	0.0	0.0
Passenger cars.....	14	1101	-2.8	-0.2	-2.4	0.0	0.2	0.3
Light motor trucks.....	14	1105	1.5	0.3	0.0	0.2	0.3	0.5
Heavy motor trucks ²	14	1106	1.2	0.0	0.1	0.0	0.0	0.0
Motor vehicles parts ²	14	12	1.0	0.1	-0.2	0.1	0.1	0.1
Truck trailers ²	14	14	-0.8	0.0	0.0	-0.3	0.6	-0.1
Travel trailers and campers ²	14	16	0.6	0.0	0.0	0.0	0.0	0.0
Aircraft.....	14	21	4.7	0.1	0.2	0.5	0.2	0.1
Ships ²	14	31	2.5	0.0	0.1	0.0	0.3	0.0
Railroad equipment ²	14	4	0.9	0.3	0.0	0.1	0.1	0.1
Toys, games, and children's vehicles ²	15	11	0.3	0.0	0.0	0.1	0.0	0.0
Sporting and athletic goods ²	15	12	11.6	2.2	2.1	1.2	0.3	2.0
Cigarettes ²	15	21	11.3	1.6	0.0	0.8	2.6	0.0
Mobile homes.....	15	5	-1.2	0.4	-0.1	0.3	0.0	-0.4
Medical, surgical & personal aid devices.....	15	6	2.5	0.3	0.1	0.6	0.5	0.1
Jewelry, platinum and karat gold ²	15	9402	4.5	2.4	2.6	0.5	-0.5	1.8
Costume jewelry and novelties ²	15	9404	2.6	0.0	0.0	0.6	0.0	0.0
Final demand services.....	FD	42	2.8	0.2	-0.1	0.6	0.3	0.3
Final demand trade services ³	FD	423	0.7	0.4	-1.1	0.2	0.1	0.3
Machinery and equipment parts and supplies wholesaling ²	57	1102	4.3	1.5	-0.1	1.2	1.0	-1.2
Machinery and vehicle wholesaling ²	57	1103	2.5	5.8	-8.5	5.1	0.5	-0.2
Professional and commercial equipment wholesaling ²	57	1104	4.8	-1.4	1.1	0.0	-1.7	8.3
Furnishings wholesaling ²	57	2	-7.1	1.0	0.1	0.3	0.2	0.0
Chemicals and allied products wholesaling ²	57	5	3.2	1.0	-5.8	10.4	-3.9	0.8
Paper and plastics products wholesaling ²	57	6	-2.4	1.4	1.1	-1.1	-2.6	-0.4
Apparel wholesaling ²	57	7	3.6	0.6	-8.4	1.7	-3.5	1.9
Food and alcohol wholesaling ²	57	8	6.6	2.3	-1.2	0.7	1.1	0.9
Food and alcohol retailing.....	58	1	1.4	-0.4	0.9	0.1	0.9	0.5
Health, beauty, and optical goods retailing ²	58	2	7.4	-1.0	2.9	3.4	1.2	0.3
Apparel, jewelry, footwear, and accessories retailing.....	58	3	2.8	-0.1	5.0	-2.0	1.3	0.2
Computer hardware, software, and supplies retailing ²	58	4	-27.4	6.4	5.9	-24.0	-8.5	12.5
TV, video, and photographic equipment and supplies retailing.....	58	5	-0.9	3.9	-6.8	3.3	-3.3	-6.7
Automobiles retailing (partial).....	58	6101	-38.0	-4.3	-5.3	-10.4	-1.8	-5.4
Automotive parts, including tires, retailing ²	58	6102	0.5	3.8	1.3	0.2	-2.2	0.0
RVs, trailers, and campers retailing ²	58	8	-6.8	3.7	-6.1	-8.9	14.8	0.5
Sporting goods, including boats, retailing.....	58	9	1.5	-3.0	4.2	4.8	-2.4	0.0
Lawn, garden, and farm equipment and supplies retailing ²	58	A	2.3	-0.4	0.3	-0.7	-1.6	0.6
Furniture retailing ²	58	B	-3.4	-5.6	0.5	-0.3	1.5	0.1
Flooring and floor coverings retailing ²	58	C	1.6	0.3	-2.7	2.3	1.6	0.1
Hardware, building materials, and supplies retailing.....	58	D	9.6	0.3	-0.7	-1.3	-1.6	-1.4
Major household appliances retailing.....	58	E	-3.9	2.9	-4.1	-4.9	6.6	-6.5
Fuels and lubricants retailing.....	58	F	8.2	-5.1	4.5	-7.7	-0.6	2.5
Cleaning supplies and paper products retailing ²	58	G	8.0	-1.7	-0.1	2.2	-0.8	-0.5
Book retailing ²	58	H	1.9	-3.2	0.1	3.7	-3.4	2.6
Final demand transportation and warehousing services.....	FD	422	-0.8	-0.2	-0.1	-0.2	1.1	0.8
Rail transportation of freight and mail ²	30	11	0.8	0.4	-0.1	1.1	-1.4	0.0
Truck transportation of freight ²	30	12	-3.6	-0.2	-1.5	-0.2	0.7	0.4
Air transportation of freight ²	30	14	0.4	2.1	-1.1	-0.7	-1.0	-0.1
Courier, messenger, and U.S. postal services.....	30	16	5.2	-0.3	0.3	0.3	1.3	0.0
Rail transportation of passengers.....	30	21	0.0	0.1	0.1	-0.1	0.0	0.0
Airline passenger services.....	30	22	2.0	-0.4	2.6	-0.7	2.7	2.2
Final demand services less trade, transportation, and warehousing.....	FD	421	4.2	0.1	0.4	0.8	0.3	0.2
Sales of books.....	33	11	8.1	0.9	0.7	0.8	1.9	-0.4
Sales and subscriptions of periodicals and newspapers.....	33	12	2.7	-0.1	1.5	-0.3	0.8	-0.4
Application software publishing ²	34	2	4.0	-1.6	2.0	1.2	-0.4	-0.4
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-1.4	-0.2	0.0	0.3	0.1	0.0
Residential wired telecommunication services ²	37	11	4.2	0.1	0.1	0.2	-0.1	0.0
Wireless telecommunication services.....	37	2	1.2	0.2	0.1	0.1	0.3	0.1
Cable and satellite subscriber services.....	37	3	4.0	-1.0	-0.1	0.8	1.1	-1.6
Internet access services ²	37	4	-0.6	1.2	-0.3	0.8	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
 [March 2024]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Mar. 2023 to Mar. 2024 ^P	Oct. to Nov.	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P
Bundled wired telecommunications access services ²	37	5	-0.5	-0.2	1.9	1.6	0.1	-0.2
Consumer loans (partial).....	39	12	12.5	0.3	4.2	0.6	3.0	0.8
Deposit services (partial) ²	39	2	19.7	2.3	3.2	0.9	1.1	2.7
Other credit intermediation, incl. trust services (partial) ²	39	3	1.4	-3.7	-0.2	0.0	1.3	0.0
Securities brokerage, dealing, investment advice, and related services ² ...	40	1	10.8	0.1	2.7	0.8	0.6	3.1
Portfolio management ²	40	2	13.5	-1.7	1.6	6.1	0.2	0.5
Life insurance ²	41	1101	-1.2	0.0	0.0	0.1	0.0	0.0
Disability insurance, including accidental death ²	41	1102	-0.5	0.0	0.0	-0.5	0.0	0.0
Health and medical insurance.....	41	1103	2.3	0.2	0.1	0.1	0.2	0.2
Property and casualty insurance ²	41	1104	6.8	0.4	0.7	0.4	0.4	0.2
Annuities ²	41	2	0.7	0.0	-0.1	0.3	0.0	0.0
Residential property sales and leases, brokerage fees and commissions..	43	21	5.2	0.1	0.5	0.0	-0.1	0.0
Passenger car rental.....	44	1	-3.8	-2.1	1.3	-4.2	-2.0	4.2
Legal services.....	45	1	6.2	0.3	0.4	2.0	0.4	0.1
Tax preparation and planning.....	45	2102	3.9	-0.5	-1.0	0.0	3.5	0.6
Architectural and engineering services.....	45	3	2.7	0.0	0.1	0.0	-0.1	0.0
Management, scientific, and technical consulting services ²	45	4	5.4	2.2	0.8	0.2	-0.2	0.1
Arrangement of flights (partial).....	47	1	-2.5	0.2	-0.2	-1.0	-0.1	-0.2
Arrangement of vehicle rentals and lodging ²	47	2	-5.9	-0.1	-0.1	-1.4	0.1	-0.1
Arrangement of cruises and tours ²	47	3	8.8	-0.7	-1.5	-0.9	1.6	-1.2
Physician care.....	51	1101	1.9	0.0	0.1	1.2	0.0	0.0
Medical laboratory and diagnostic imaging care ²	51	1102	0.1	0.0	0.0	0.2	0.0	-0.3
Home health and hospice care.....	51	1103	4.0	0.1	0.2	-0.2	0.1	0.0
Hospital outpatient care ²	51	1104	4.7	0.2	-0.5	1.4	0.5	0.0
Dental care.....	51	1105	2.4	0.2	0.1	0.0	1.7	-0.2
Hospital inpatient care.....	51	2101	4.8	0.1	0.6	0.7	0.3	0.1
Nursing home care.....	51	2102	2.8	0.4	0.2	0.1	0.0	0.1
Traveler accommodation services.....	53	11	-4.6	1.0	-4.5	3.7	-1.2	-3.8
Food and beverages for immediate consumption services (partial) ²	54	1	4.7	0.3	0.0	0.1	0.6	1.1
Motor vehicle repair and maintenance (partial) ²	55	2	3.8	0.5	0.2	0.3	0.5	0.0
Membership dues and admissions and recreation facility use fees (partial) ²	56	1	5.2	1.7	2.3	0.1	0.0	1.5
Recreational activity instruction fees (partial) ²	56	2	0.8	0.0	0.0	0.6	0.0	0.0
Gaming receipts (partial) ²	56	3	1.6	-0.2	1.8	-1.6	0.2	2.5
Mining services ²	60	1	1.8	1.2	1.3	-0.2	0.4	0.6
Final demand construction.....	FD	43	-1.1	-0.2	0.0	0.3	0.0	0.1
New warehouse building construction ²	80	1101	-1.0	-0.1	-0.1	0.0	-0.1	0.1
New school building construction ²	80	1102	-1.4	0.0	-0.1	0.5	0.0	-0.1
New office building construction ²	80	1103	-1.2	-0.2	0.2	0.2	0.0	0.4
New industrial building construction ²	80	1104	-0.7	-0.1	0.0	0.5	-0.1	0.0
New health care building construction ²	80	1105	-1.8	-0.6	0.1	0.2	0.0	-0.2
Intermediate Demand by Commodity Type								
Processed goods for intermediate demand.....	ID6	1	-1.7	-0.7	-0.4	-0.1	1.5	-0.5
Processed foods and feeds.....	ID6	9112	-3.1	-0.5	0.1	-1.6	0.3	0.6
Meats.....	02	21	7.6	0.1	4.8	-3.9	2.3	0.8
Processed poultry.....	02	22	6.2	-6.5	1.2	0.5	1.3	10.7
Dairy products ²	02	3	-0.9	-0.6	-1.4	-1.3	1.0	0.9
Processed fruits and vegetables ²	02	4	6.2	0.2	0.1	0.6	0.2	-0.9
Refined sugar and byproducts ²	02	53	18.2	2.6	0.1	2.6	8.7	0.8
Fats and oils ²	02	7	-14.5	-0.5	-1.6	-3.0	-2.1	-0.5
Prepared animal feeds.....	02	9	-10.6	-0.2	-0.7	-2.5	-2.4	-1.9
Processed materials less foods and feeds.....	ID6	9111	-1.5	-0.8	-0.5	0.0	1.6	-0.6
Synthetic fibers ²	03	1	3.8	-0.6	-1.2	-1.6	0.4	5.5
Processed yarns and threads ²	03	2	-1.9	-1.1	0.2	0.4	-0.3	0.9
Finished fabrics ²	03	4	-0.6	-0.1	0.2	0.1	-0.1	0.6
Liquefied petroleum gas ²	05	32	0.6	-5.7	-0.8	3.5	3.6	-0.5
Commercial electric power.....	05	42	1.2	-0.5	1.1	-2.3	2.5	-1.4
Industrial electric power.....	05	43	2.4	-0.2	1.1	-2.0	2.2	-1.4
Commercial natural gas.....	05	52	-7.1	2.2	2.0	-0.2	2.0	0.2
Industrial natural gas.....	05	53	-6.4	1.1	-0.4	3.6	-0.4	1.8
Natural gas to electric utilities.....	05	54	-9.8	-0.1	-0.3	4.8	7.3	-6.4
Gasoline.....	05	71	-1.5	-4.0	2.1	-3.4	6.7	-3.6
Jet fuel ²	05	7203	-8.9	-5.8	-12.1	0.4	11.5	-6.0
No. 2 diesel fuel.....	05	7303	-6.2	-3.7	-9.3	-0.7	14.9	0.9
Residual fuels ²	05	74	12.3	-5.2	-7.1	-0.2	1.8	0.9

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Mar. 2023 to Mar. 2024 ^P	Oct. to Nov.	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P
Finished lubricants ²	05	76	-0.9	0.2	0.7	0.3	-0.1	-0.9
Lubricating oil base stocks ²	05	78	-8.1	2.1	-7.3	-3.6	9.5	-5.2
Asphalt.....	05	8102	13.0	2.3	4.3	2.7	-13.7	9.1
Basic inorganic chemicals ²	06	13	-12.7	-0.1	-0.2	-1.2	-0.3	-0.4
Basic organic chemicals.....	06	14	-8.5	-3.5	-2.1	-3.6	3.1	0.1
Prepared paint ²	06	21	-1.2	0.0	0.0	0.1	-0.3	-0.2
Paint materials ²	06	22	-2.7	0.1	-0.5	-0.6	-0.1	0.0
Medicinal and botanical chemicals ²	06	31	9.1	0.0	-0.2	0.4	7.9	0.2
Biological products, including diagnostics.....	06	37	1.8	0.4	-0.3	-0.9	-0.3	0.4
Fats and oils, inedible ²	06	4	-1.4	-6.0	-1.9	17.2	-4.9	-0.9
Nitrogenates.....	06	5201	-20.4	-0.7	4.5	-3.4	-6.3	3.3
Phosphates.....	06	5202	-2.7	1.9	2.9	3.9	0.8	-1.6
Other agricultural chemicals ²	06	53	-16.5	-0.6	0.5	-0.3	0.0	0.1
Plastic resins and materials.....	06	6	-6.2	1.7	1.1	-0.6	1.0	-1.9
Industrial gases ²	06	7903	-1.8	-2.2	0.8	2.3	-4.7	-0.1
Adhesives and sealants ²	06	7904	0.4	0.0	-0.2	0.1	-0.3	0.6
Synthetic rubber ²	07	1102	-3.1	0.2	-1.5	-1.6	1.2	3.6
Tires ²	07	1201	-1.0	-0.1	0.0	0.0	0.0	-0.1
Plastic construction products ²	07	21	-2.0	0.0	-0.4	0.3	-0.1	0.0
Unsupported plastic film, sheet, other shapes ²	07	22	-4.5	0.2	0.6	-1.3	1.0	-0.4
Parts for manufacturing from plastics ²	07	26	-0.9	-0.2	0.0	0.0	0.0	1.1
Plastic packaging products ²	07	2A	-1.4	0.2	-0.3	0.9	-0.6	0.4
Softwood lumber.....	08	11	-6.8	-4.2	-1.7	-1.7	-3.2	1.9
Hardwood lumber ²	08	12	1.6	1.3	4.2	-0.2	1.1	0.6
Millwork.....	08	2	-1.3	0.3	0.0	-0.1	1.4	-0.6
Plywood ²	08	3	-0.1	-1.2	0.1	0.3	-1.5	0.6
Paper ²	09	13	-0.9	-0.1	0.1	0.3	0.3	-0.5
Paperboard ²	09	14	-5.7	-0.1	-1.5	0.7	-0.2	0.1
Paper boxes and containers ²	09	1503	-3.6	-0.3	-0.1	-0.5	0.0	-0.6
Building paper and board ²	09	2	13.3	-2.4	3.0	0.7	-0.5	2.5
Commercial printing ²	09	47	1.7	0.1	0.0	0.8	0.2	0.1
Foundry and forge shop products ²	10	15	1.8	-0.1	0.9	0.7	0.5	0.3
Steel mill products ²	10	17	-3.6	-2.0	2.4	5.4	3.4	-7.8
Primary nonferrous metals ²	10	22	6.6	0.6	-1.0	0.6	3.6	1.1
Secondary nonferrous metals ²	10	24	-4.6	0.2	0.0	0.4	-1.1	3.4
Aluminum mill shapes ²	10	2501	-6.6	-0.1	-0.3	-0.7	0.2	-0.5
Copper and brass mill shapes ²	10	2502	-3.1	-0.3	1.0	0.8	-0.8	2.0
Nonferrous wire and cable ²	10	26	-2.8	0.1	0.4	0.2	0.2	0.5
Nonferrous foundry shop products.....	10	28	3.2	-0.3	0.7	0.1	1.0	0.1
Metal containers ²	10	3	-2.3	-0.5	0.0	0.4	0.2	-0.2
Hardware ²	10	4	0.4	0.1	-0.1	-0.3	0.6	-0.1
Plumbing fixtures and brass fittings.....	10	5	1.1	0.2	-0.3	0.6	-0.3	0.0
Heating equipment ²	10	6	3.6	0.0	0.2	0.6	0.1	1.8
Fabricated structural metal products.....	10	7	1.2	0.5	1.2	0.7	-0.5	-0.8
Bolts, nuts, screws, rivets, and washers ²	10	81	7.4	0.3	0.0	1.8	0.0	0.5
Lighting fixtures ²	10	83	2.3	0.1	0.1	0.0	0.4	0.9
Fabricated ferrous wire products.....	10	88	-5.2	0.7	-0.4	0.2	-0.2	-0.6
Other miscellaneous metal products ²	10	89	1.6	0.1	0.0	0.3	0.4	0.3
Fluid power equipment ²	11	43	9.2	-2.0	0.0	1.0	0.3	-0.1
Mechanical power transmission equipment ²	11	45	3.6	0.7	0.0	0.4	0.3	0.3
Air conditioning and refrigeration equipment.....	11	48	1.4	0.6	0.0	-1.3	1.2	-1.0
Metal valves, except fluid power.....	11	4902	2.6	0.3	0.4	-1.5	0.5	-0.1
Ball and roller bearings ²	11	4905	2.9	-0.7	0.6	0.3	2.6	0.2
Wiring devices ²	11	71	-4.9	-0.1	-0.5	-0.6	0.6	-0.1
Motors, generators, motor generator sets ²	11	73	4.4	-0.3	0.0	0.3	0.0	1.2
Switchgear, switchboard, and industrial controls equip. ²	11	75	7.2	0.9	0.2	1.3	0.5	0.8
Electronic components and accessories.....	11	78	0.5	0.2	0.0	0.6	-0.2	-0.1
Internal combustion engines ²	11	94	4.3	0.1	0.0	2.0	0.0	0.0
Machine shop products ²	11	95	1.9	0.0	-0.2	0.2	0.9	0.1
Flat glass ²	13	11	-0.7	0.2	0.6	0.0	0.3	-0.3
Cement.....	13	22	5.0	0.8	0.7	0.3	-0.6	0.6
Concrete products.....	13	3	6.2	0.5	-0.3	0.9	0.7	0.0
Asphalt felts and coatings ²	13	6	5.9	-0.4	0.3	-0.3	0.9	0.1
Paving mixtures and blocks.....	13	94	0.9	1.3	0.9	-0.2	-0.4	0.7
Motor vehicle parts ²	14	12	1.0	0.1	-0.2	0.1	0.1	0.1
Aircraft engines and engine parts.....	14	23	3.4	0.9	0.4	0.5	0.5	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
 [March 2024]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Mar. 2023 to Mar. 2024 ^P	Oct. to Nov.	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	1.5	0.1	0.0	0.2	0.3	0.1
Medical, surgical, and personal aid devices.....	15	6	2.5	0.3	0.1	0.6	0.5	0.1
Unprocessed goods for intermediate demand.....	ID6	2	-7.1	-2.1	-4.1	1.5	-0.7	-1.9
Unprocessed foodstuffs and feedstuffs.....	ID6	21	-9.2	-0.4	-3.3	-1.5	1.6	2.2
Wheat ²	01	21	-27.0	-1.2	2.4	-3.3	-5.2	-2.5
Corn.....	01	2202	-33.7	-3.5	-2.0	-6.5	-9.2	4.1
Slaughter cattle.....	01	31	17.9	-4.4	-3.2	1.3	1.6	7.7
Slaughter hogs.....	01	32	-3.9	-4.4	-18.8	-2.9	35.6	4.6
Slaughter chickens.....	01	4102	-1.6	-1.3	4.8	-3.3	2.0	-4.1
Slaughter turkeys.....	01	42	-32.3	4.7	1.3	14.1	-7.5	0.3
Raw milk.....	01	6	2.0	-1.4	-5.1	1.1	5.1	4.1
Hay and hayseeds ²	01	81	-35.8	7.1	-17.5	-2.0	-3.4	2.2
Oilseeds.....	01	8301	-20.6	2.2	-3.8	-9.2	-8.9	-0.3
Raw cane sugar and byproducts ²	02	5201	5.3	-0.7	-0.3	-2.3	0.8	1.4
Unprocessed nonfood materials.....	ID6	22	-5.7	-3.0	-4.6	3.3	-2.0	-4.3
Raw cotton ²	01	51	10.9	-6.2	3.6	-0.4	12.7	1.3
Hides and skins.....	04	1	-13.8	1.3	-3.0	0.0	-7.0	1.1
Coal ²	05	1	0.8	2.7	-1.6	0.3	0.7	-1.9
Natural gas ²	05	31	-43.8	10.3	0.2	16.2	-26.2	-37.0
Crude petroleum ²	05	61	6.1	-9.6	-10.6	4.4	5.5	-0.8
Logs, bolts, timber, pulpwood, and woodchips ²	08	5	-2.7	-1.1	-0.3	0.1	-0.4	0.1
Recyclable paper ²	09	12	77.5	4.0	2.7	8.0	3.0	5.0
Iron ores ²	10	11	-6.8	-0.7	-0.3	0.6	-0.9	0.0
Iron and steel scrap.....	10	12	-18.1	4.9	-1.0	-3.8	-4.0	-15.7
Nonferrous metal ores ²	10	21	1.3	2.0	1.0	-1.0	-1.0	8.2
Copper base scrap ²	10	2301	1.8	0.5	1.8	-0.4	1.9	5.0
Aluminum base scrap.....	10	2302	6.4	2.3	-0.9	-1.1	2.2	-1.1
Construction sand, gravel, and crushed stone.....	13	21	8.3	0.5	0.5	2.6	1.2	0.4
Services for intermediate demand.....	ID6	3	3.6	0.5	0.4	0.7	0.0	0.2
Trade services for intermediate demand ³	ID6	33	3.1	1.5	-0.2	1.1	-1.5	0.0
Machinery and equipment parts and supplies wholesaling ²	57	1102	4.3	1.5	-0.1	1.2	1.0	-1.2
Building materials, paint, and hardware wholesaling.....	57	3	-5.0	-1.7	-1.5	3.0	-1.3	-0.6
Metals, minerals, and ores wholesaling ²	57	4	-9.0	10.5	4.4	5.5	-14.7	2.8
Chemicals and allied products wholesaling ²	57	5	3.2	1.0	-5.8	10.4	-3.9	0.8
Paper and plastics products wholesaling ²	57	6	-2.4	1.4	1.1	-1.1	-2.6	-0.4
Food wholesaling ²	57	8101	6.6	2.6	-1.4	0.8	1.2	0.4
Automotive parts, including tires, retailing ²	58	6102	0.5	3.8	1.3	0.2	-2.2	0.0
Hardware, building material, and supplies retailing.....	58	D	9.6	0.3	-0.7	-1.3	-1.6	-1.4
Transportation and warehousing services for intermediate demand.....	ID6	32	1.8	-0.2	0.8	0.1	1.2	0.0
Rail transportation of freight and mail ²	30	11	0.8	0.4	-0.1	1.1	-1.4	0.0
Truck transportation of freight ²	30	12	-3.6	-0.2	-1.5	-0.2	0.7	0.4
Water transportation of freight ²	30	13	11.0	-1.4	2.2	1.1	2.1	1.1
Air transportation of freight ²	30	14	0.4	2.1	-1.1	-0.7	-1.0	-0.1
U.S. Postal Service ²	30	1601	7.1	0.0	0.0	0.0	3.2	0.0
Courier and messenger services, except air mail.....	30	1602	4.3	0.0	0.5	0.1	0.0	0.3
Air mail and package delivery services, excluding by USPS.....	30	1603	4.1	-1.0	0.3	0.9	1.1	-0.4
Pipeline transportation ²	30	17	0.7	-0.2	0.0	0.1	-0.7	0.0
Transportation of passengers (partial).....	30	2	2.0	-0.4	2.6	-0.7	2.6	2.2
Services related to water transportation ²	31	1	5.0	0.3	0.4	1.0	0.5	0.6
Arrangement of freight and cargo ²	31	31	1.3	-0.3	12.3	-0.1	7.1	-5.1
Warehousing, storage, and related services ²	32	1	1.8	-0.4	-0.1	0.5	2.3	0.9
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	4.1	0.4	0.5	0.8	0.1	0.3
Network compensation from broadcast TV, cable TV, radio ²	35	-	0.2	-0.1	0.0	0.2	0.0	0.0
Advertising space sales in periodicals and newspapers ²	36	11	-1.6	-0.2	0.0	0.3	0.1	0.0
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	-12.5	6.3	1.7	-1.0	1.5	-8.4
Radio advertising time sales.....	36	3	-4.8	5.0	1.3	-15.0	7.4	-0.3
Internet advertising sales ²	36	6	1.3	0.0	0.0	-0.2	0.0	0.0
Business wired telecommunication services ²	37	12	2.6	0.2	-0.1	-0.4	1.1	0.1
Wireless telecommunication services.....	37	2	1.2	0.2	0.1	0.1	0.3	0.1
Cable and satellite subscriber services.....	37	3	4.0	-1.0	-0.1	0.8	1.1	-1.6
Bundled wired telecommunication access services ²	37	5	-0.5	-0.2	1.9	1.6	0.1	-0.2
Data processing and related services ²	38	1	1.6	0.3	0.3	0.4	0.1	-0.3
Business loans (partial).....	39	11	3.1	-1.2	-0.2	0.7	2.8	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
 [March 2024]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Mar. 2023 to Mar. 2024 ^P	Oct. to Nov.	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P
Deposit services (partial) ²	39	2	19.7	2.3	3.2	0.9	1.1	2.7
Other credit intermediation, incl. trust services (partial) ²	39	3	1.4	-3.7	-0.2	0.0	1.3	0.0
Securities brokerage, dealing, investment advice, and related services ²	40	1	10.8	0.1	2.7	0.8	0.6	3.1
Portfolio management ²	40	2	13.5	-1.7	1.6	6.1	0.2	0.5
Investment banking ²	40	3	16.1	-0.7	-0.7	0.3	3.4	7.6
Life insurance ²	41	1101	-1.2	0.0	0.0	0.1	0.0	0.0
Health and medical insurance.....	41	1103	2.3	0.2	0.1	0.1	0.2	0.2
Property and casualty insurance ²	41	1104	6.8	0.4	0.7	0.4	0.4	0.2
Annuities ²	41	2	0.7	0.0	-0.1	0.3	0.0	0.0
Commissions from sales of insurance ²	42	1	0.3	0.0	0.1	0.0	0.3	0.0
Nonresidential real estate rents ²	43	11	5.3	1.4	1.1	1.7	-3.6	-0.6
Nonresidential property sales and leases ²	43	12	-4.5	-0.7	-1.8	-1.0	0.0	-0.1
Residential property management fees ²	43	22	4.7	1.1	-0.4	3.3	-0.1	0.0
Passenger car rental.....	44	1	-3.8	-2.1	1.3	-4.2	-2.0	4.2
Truck, utility trailer, and RV rental and leasing ²	44	2	-1.4	0.1	-0.6	0.0	-0.4	-0.3
Construction, mining, and forestry machinery and equipment rental and leasing ²	44	3	-0.3	-0.2	0.2	0.1	-0.8	0.6
Legal services.....	45	1	6.2	0.3	0.4	2.0	0.4	0.1
Accounting services (partial).....	45	2	7.0	-0.4	0.0	2.2	1.3	0.2
Architectural and engineering services.....	45	3	2.7	0.0	0.1	0.0	-0.1	0.0
Management, scientific, and technical consulting services ²	45	4	5.4	2.2	0.8	0.2	-0.2	0.1
Advertising and related services (partial) ²	45	5	-0.2	0.0	0.0	0.0	0.0	0.0
Permanent placement services ²	46	1	-12.9	0.7	0.8	0.4	-16.1	0.0
Executive search services ²	46	2	3.5	-0.9	2.3	-0.4	-0.3	-2.2
Staffing services.....	46	3	0.5	0.2	0.2	-0.2	0.0	0.1
Security guard services ²	48	1	11.6	-0.2	2.4	2.8	0.6	-0.1
Janitorial services ²	49	1	-0.5	0.4	0.0	0.7	0.0	0.0
Waste collection.....	50	1	4.5	0.9	-0.3	-0.1	-1.5	1.3
Traveler accommodation services.....	53	11	-4.6	1.0	-4.5	3.7	-1.2	-3.8
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	5.9	0.4	0.8	1.2	-0.4	-0.3
Aircraft repair and maintenance.....	55	4	6.1	0.5	0.2	-0.3	-0.1	0.2
Metal treatment services ²	59	1	5.1	-0.3	0.6	1.3	0.0	0.5
Construction for intermediate demand.....	ID6	4	2.7	0.0	0.0	0.3	0.0	0.6
Maintenance and repair of non-residential buildings (partial) ²	80	2	2.7	0.0	0.0	0.3	0.0	0.6
Intermediate Demand by Production Flow								
Stage 4 intermediate demand.....	ID5	4	2.1	0.2	0.2	0.6	0.2	0.2
Stage 4 intermediate demand goods.....	ID5	9411	-0.3	-0.3	0.0	-0.1	0.6	-0.2
Grains.....	01	2	-31.9	-3.0	-1.4	-5.2	-8.3	2.5
Meats.....	02	21	7.6	0.1	4.8	-3.9	2.3	0.8
Unprocessed and packaged fish.....	02	23	-3.9	0.3	-0.3	5.5	-4.9	1.9
Dairy products ²	02	3	-0.9	-0.6	-1.4	-1.3	1.0	0.9
Commercial electric power.....	05	42	1.2	-0.5	1.1	-2.3	2.5	-1.4
Industrial electric power.....	05	43	2.4	-0.2	1.1	-2.0	2.2	-1.4
Gasoline.....	05	71	-1.5	-4.0	2.1	-3.4	6.7	-3.6
No. 2 diesel fuel.....	05	7303	-6.2	-3.7	-9.3	-0.7	14.9	0.9
Basic organic chemicals.....	06	14	-8.5	-3.5	-2.1	-3.6	3.1	0.1
Prepared paint ²	06	21	-1.2	0.0	0.0	0.1	-0.3	-0.2
Medicinal and botanical chemicals ²	06	31	9.1	0.0	-0.2	0.4	7.9	0.2
Biological products, including diagnostics.....	06	37	1.8	0.4	-0.3	-0.9	-0.3	0.4
Pharmaceutical preparations.....	06	38	1.6	0.1	0.2	-0.4	0.2	0.0
Plastic construction products ²	07	21	-2.0	0.0	-0.4	0.3	-0.1	0.0
Unsupported plastic film, sheet, and other shapes ²	07	22	-4.5	0.2	0.6	-1.3	1.0	-0.4
Parts for manufacturing from plastics ²	07	26	-0.9	-0.2	0.0	0.0	0.0	1.1
Plastic packaging products ²	07	2A	-1.4	0.2	-0.3	0.9	-0.6	0.4
Lumber.....	08	1	-3.5	-2.1	0.7	-1.0	-1.4	1.3
Millwork.....	08	2	-1.3	0.3	0.0	-0.1	1.4	-0.6
Paper boxes and containers ²	09	1503	-3.6	-0.3	-0.1	-0.5	0.0	-0.6
Commercial printing ²	09	47	1.7	0.1	0.0	0.8	0.2	0.1
Steel mill products ²	10	17	-3.6	-2.0	2.4	5.4	3.4	-7.8
Nonferrous wire and cable ²	10	26	-2.8	0.1	0.4	0.2	0.2	0.5
Fabricated structural metal products.....	10	7	1.2	0.5	1.2	0.7	-0.5	-0.8
Other miscellaneous metal products ²	10	89	1.6	0.1	0.0	0.3	0.4	0.3
Air conditioning and refrigeration equipment.....	11	48	1.4	0.6	0.0	-1.3	1.2	-1.0
Wiring devices ²	11	71	-4.9	-0.1	-0.5	-0.6	0.6	-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
 [March 2024]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Mar. 2023 to Mar. 2024 ^P	Oct. to Nov.	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P
Electronic components and accessories.....	11	78	0.5	0.2	0.0	0.6	-0.2	-0.1
Miscellaneous electrical machinery and equipment ²	11	79	1.2	-0.1	0.0	0.2	0.3	0.0
Internal combustion engines ²	11	94	4.3	0.1	0.0	2.0	0.0	0.0
Machine shop products ²	11	95	1.9	0.0	-0.2	0.2	0.9	0.1
Concrete ingredients and related products.....	13	2	7.4	0.6	0.6	1.9	0.7	0.5
Concrete products.....	13	3	6.2	0.5	-0.3	0.9	0.7	0.0
Prepared asphalt, tar roofing and siding products ²	13	61	7.0	-0.5	0.3	-0.4	1.1	0.1
Paving mixtures and blocks.....	13	94	0.9	1.3	0.9	-0.2	-0.4	0.7
Motor vehicle parts ²	14	12	1.0	0.1	-0.2	0.1	0.1	0.1
Aircraft engines and engine parts.....	14	23	3.4	0.9	0.4	0.5	0.5	0.1
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	1.5	0.1	0.0	0.2	0.3	0.1
Medical, surgical and personal aid devices.....	15	6	2.5	0.3	0.1	0.6	0.5	0.1
Stage 4 intermediate demand services.....	ID5	9412	4.3	0.5	0.4	1.1	-0.2	0.4
Truck transportation of freight ²	30	12	-3.6	-0.2	-1.5	-0.2	0.7	0.4
Courier, messenger, and U.S. postal services.....	30	16	5.2	-0.3	0.3	0.3	1.3	0.0
Airline passenger services.....	30	22	2.0	-0.4	2.6	-0.7	2.7	2.2
Warehousing, storage, and related services ²	32	1	1.8	-0.4	-0.1	0.5	2.3	0.9
Advertising space sales in periodicals and newspapers ²	36	11	-1.6	-0.2	0.0	0.3	0.1	0.0
Data processing and related services ²	38	1	1.6	0.3	0.3	0.4	0.1	-0.3
Business loans (partial).....	39	11	3.1	-1.2	-0.2	0.7	2.8	0.2
Deposit services (partial) ²	39	2	19.7	2.3	3.2	0.9	1.1	2.7
Securities brokerage, dealing, investment advice, and related services ²	40	1	10.8	0.1	2.7	0.8	0.6	3.1
Portfolio management ²	40	2	13.5	-1.7	1.6	6.1	0.2	0.5
Investment banking ²	40	3	16.1	-0.7	-0.7	0.3	3.4	7.6
Insurance.....	41	11	3.6	0.3	0.4	0.1	0.3	0.2
Annuities ²	41	2	0.7	0.0	-0.1	0.3	0.0	0.0
Nonresidential real estate rents ²	43	11	5.3	1.4	1.1	1.7	-3.6	-0.6
Nonresidential property sales and leases ²	43	12	-4.5	-0.7	-1.8	-1.0	0.0	-0.1
Nonresidential property management fees ²	43	13	7.6	-0.9	1.4	-3.7	4.2	0.3
Residential property management fees ²	43	22	4.7	1.1	-0.4	3.3	-0.1	0.0
Construction, mining, and forestry machinery and equipment rental and leasing ²	44	3	-0.3	-0.2	0.2	0.1	-0.8	0.6
Legal services.....	45	1	6.2	0.3	0.4	2.0	0.4	0.1
Advertising agency services ²	45	51	-0.2	0.0	0.0	0.0	0.0	0.0
Accounting services (partial).....	45	2	7.0	-0.4	0.0	2.2	1.3	0.2
Architectural and engineering services.....	45	3	2.7	0.0	0.1	0.0	-0.1	0.0
Management, scientific, and technical consulting services ²	45	4	5.4	2.2	0.8	0.2	-0.2	0.1
Staffing services.....	46	3	0.5	0.2	0.2	-0.2	0.0	0.1
Janitorial services ²	49	1	-0.5	0.4	0.0	0.7	0.0	0.0
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	5.9	0.4	0.8	1.2	-0.4	-0.3
Machinery and equipment parts and supplies wholesaling ²	57	1102	4.3	1.5	-0.1	1.2	1.0	-1.2
Building materials, paint, and hardware wholesaling.....	57	3	-5.0	-1.7	-1.5	3.0	-1.3	-0.6
Metals, minerals, and ores wholesaling ²	57	4	-9.0	10.5	4.4	5.5	-14.7	2.8
Chemicals and allied products wholesaling ²	57	5	3.2	1.0	-5.8	10.4	-3.9	0.8
Paper and plastics products wholesaling ²	57	6	-2.4	1.4	1.1	-1.1	-2.6	-0.4
Food and alcohol wholesaling ²	57	8	6.6	2.3	-1.2	0.7	1.1	0.9
Hardware and building materials and supplies retailing.....	58	D	9.6	0.3	-0.7	-1.3	-1.6	-1.4
Metal treatment services ²	59	1	5.1	-0.3	0.6	1.3	0.0	0.5
Stage 3 intermediate demand.....	ID5	3	-0.4	-0.2	-0.4	0.3	1.0	0.0
Stage 3 intermediate demand goods.....	ID5	9311	-3.8	-1.1	-1.6	0.0	2.6	-0.1
Slaughter cattle.....	01	31	17.9	-4.4	-3.2	1.3	1.6	7.7
Slaughter hogs.....	01	32	-3.9	-4.4	-18.8	-2.9	35.6	4.6
Slaughter poultry.....	01	4	-6.4	-0.6	4.3	-1.4	0.8	-3.5
Raw milk.....	01	6	2.0	-1.4	-5.1	1.1	5.1	4.1
Commercial electric power.....	05	42	1.2	-0.5	1.1	-2.3	2.5	-1.4
Industrial electric power.....	05	43	2.4	-0.2	1.1	-2.0	2.2	-1.4
Gasoline.....	05	71	-1.5	-4.0	2.1	-3.4	6.7	-3.6
Jet fuel ²	05	7203	-8.9	-5.8	-12.1	0.4	11.5	-6.0
No. 2 diesel fuel.....	05	7303	-6.2	-3.7	-9.3	-0.7	14.9	0.9
Finished lubricants ²	05	76	-0.9	0.2	0.7	0.3	-0.1	-0.9
Lubricating oil base stocks ²	05	78	-8.1	2.1	-7.3	-3.6	9.5	-5.2
Asphalt.....	05	8102	13.0	2.3	4.3	2.7	-13.7	9.1
Basic inorganic chemicals ²	06	13	-12.7	-0.1	-0.2	-1.2	-0.3	-0.4
Basic organic chemicals.....	06	14	-8.5	-3.5	-2.1	-3.6	3.1	0.1
Paints and allied products ²	06	2	-1.6	0.2	-0.1	-0.1	-0.3	-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
 [March 2024]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Mar. 2023 to Mar. 2024 ^P	Oct. to Nov.	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P
Agricultural chemicals and chemical products.....	06	5	-12.6	-0.9	1.7	0.1	-1.1	-0.1
Plastic resins and materials.....	06	6	-6.2	1.7	1.1	-0.6	1.0	-1.9
Synthetic rubber ²	07	1102	-3.1	0.2	-1.5	-1.6	1.2	3.6
Unsupported plastic film, sheet, and other shapes ²	07	22	-4.5	0.2	0.6	-1.3	1.0	-0.4
Paper ²	09	13	-0.9	-0.1	0.1	0.3	0.3	-0.5
Paperboard ²	09	14	-5.7	-0.1	-1.5	0.7	-0.2	0.1
Converted paper and paperboard products ²	09	15	-2.1	-0.2	-0.3	-0.4	0.2	-0.4
Commercial printing ²	09	47	1.7	0.1	0.0	0.8	0.2	0.1
Foundry and forge shop products ²	10	15	1.8	-0.1	0.9	0.7	0.5	0.3
Steel mill products ²	10	17	-3.6	-2.0	2.4	5.4	3.4	-7.8
Nonferrous mill shapes ²	10	25	-4.5	-0.1	0.1	-0.1	0.1	0.2
Nonferrous foundry shop products.....	10	28	3.2	-0.3	0.7	0.1	1.0	0.1
Metal containers ²	10	3	-2.3	-0.5	0.0	0.4	0.2	-0.2
Structural, architectural, and pre-engineered metal products.....	10	74	-0.1	0.6	1.9	1.2	-1.3	-1.4
Bolts, nuts, screws, rivets, and washers ²	10	81	7.4	0.3	0.0	1.8	0.0	0.5
Other miscellaneous metal products ²	10	89	1.6	0.1	0.0	0.3	0.4	0.3
General purpose machinery and equipment.....	11	4	4.0	0.1	0.3	-0.3	0.7	0.1
Electrical machinery and equipment.....	11	7	2.4	0.2	0.1	0.9	0.2	0.4
Construction sand, gravel, and crushed stone.....	13	21	8.3	0.5	0.5	2.6	1.2	0.4
Cement.....	13	22	5.0	0.8	0.7	0.3	-0.6	0.6
Motor vehicle parts ²	14	12	1.0	0.1	-0.2	0.1	0.1	0.1
Aircraft and aircraft equipment.....	14	2	3.9	0.2	0.2	0.5	0.3	0.1
Stage 3 intermediate demand services.....	ID5	9312	2.5	0.6	0.6	0.5	-0.2	0.0
Rail transportation of freight and mail ²	30	11	0.8	0.4	-0.1	1.1	-1.4	0.0
Courier, messenger, and U.S. postal services.....	30	16	5.2	-0.3	0.3	0.3	1.3	0.0
Arrangement of freight and cargo ²	31	31	1.3	-0.3	12.3	-0.1	7.1	-5.1
Freight forwarding ²	31	3201	-2.3	0.0	0.0	-0.5	-2.3	0.0
Warehousing, storage, and related services ²	32	1	1.8	-0.4	-0.1	0.5	2.3	0.9
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-1.4	-0.2	0.0	0.3	0.1	0.0
Wired telephone services ²	37	1	2.9	0.1	0.0	-0.1	0.5	0.0
Bundled wired telecommunications access services ²	37	5	-0.5	-0.2	1.9	1.6	0.1	-0.2
Data processing and related services ²	38	1	1.6	0.3	0.3	0.4	0.1	-0.3
Business loans (partial).....	39	11	3.1	-1.2	-0.2	0.7	2.8	0.2
Deposit services (partial) ²	39	2	19.7	2.3	3.2	0.9	1.1	2.7
Securities brokerage, dealing, investment advice, and related services ²	40	1	10.8	0.1	2.7	0.8	0.6	3.1
Insurance.....	41	11	3.6	0.3	0.4	0.1	0.3	0.2
Nonresidential real estate rents ²	43	11	5.3	1.4	1.1	1.7	-3.6	-0.6
Legal services.....	45	1	6.2	0.3	0.4	2.0	0.4	0.1
Accounting services (partial).....	45	2	7.0	-0.4	0.0	2.2	1.3	0.2
Architectural and engineering services.....	45	3	2.7	0.0	0.1	0.0	-0.1	0.0
Management, scientific, and technical consulting services ²	45	4	5.4	2.2	0.8	0.2	-0.2	0.1
Advertising agency services ²	45	51	-0.2	0.0	0.0	0.0	0.0	0.0
Staffing services.....	46	3	0.5	0.2	0.2	-0.2	0.0	0.1
Aircraft repair maintenance.....	55	4	6.1	0.5	0.2	-0.3	-0.1	0.2
Machinery and equipment parts and supplies wholesaling ²	57	1102	4.3	1.5	-0.1	1.2	1.0	-1.2
Building materials, paint, and hardware wholesaling.....	57	3	-5.0	-1.7	-1.5	3.0	-1.3	-0.6
Metals, minerals, and ores wholesaling ²	57	4	-9.0	10.5	4.4	5.5	-14.7	2.8
Chemicals and allied products wholesaling ²	57	5	3.2	1.0	-5.8	10.4	-3.9	0.8
Paper and plastics products wholesaling ²	57	6	-2.4	1.4	1.1	-1.1	-2.6	-0.4
Food wholesaling ²	57	8101	6.6	2.6	-1.4	0.8	1.2	0.4
Metal treatment services ²	59	1	5.1	-0.3	0.6	1.3	0.0	0.5
Stage 2 intermediate demand.....	ID5	2	-0.4	-1.0	-1.2	1.0	-0.1	-1.3
Stage 2 intermediate demand goods.....	ID5	9211	-5.4	-2.5	-3.4	1.7	-0.9	-3.1
Corn.....	01	2202	-33.7	-3.5	-2.0	-6.5	-9.2	4.1
Oilseeds.....	01	83	-20.6	2.2	-3.8	-9.2	-8.9	-0.3
Prepared animal feeds.....	02	9	-10.6	-0.2	-0.7	-2.5	-2.4	-1.9
Coal ²	05	1	0.8	2.7	-1.6	0.3	0.7	-1.9
Natural gas ²	05	31	-43.8	10.3	0.2	16.2	-26.2	-37.0
Liquefied petroleum gas ²	05	32	0.6	-5.7	-0.8	3.5	3.6	-0.5
Crude petroleum ²	05	61	6.1	-9.6	-10.6	4.4	5.5	-0.8
No. 2 diesel fuel.....	05	7303	-6.2	-3.7	-9.3	-0.7	14.9	0.9
Industrial chemicals.....	06	1	-9.3	-2.9	-1.7	-3.1	2.5	0.0
Plastic resins and materials.....	06	6	-6.2	1.7	1.1	-0.6	1.0	-1.9
Plastic products ²	07	2	-1.3	0.2	-0.1	0.1	0.0	0.2
Logs, bolts, timber, pulpwood, and wood chips ²	08	5	-2.7	-1.1	-0.3	0.1	-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
 [March 2024]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Mar. 2023 to Mar. 2024 ^P	Oct. to Nov.	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P
Paper ²	09	13	-0.9	-0.1	0.1	0.3	0.3	-0.5
Paperboard, excluding corrugated paperboard ²	09	1411	-6.3	0.0	-2.0	0.7	-0.2	0.2
Commercial printing ²	09	47	1.7	0.1	0.0	0.8	0.2	0.1
Iron and steel scrap.....	10	12	-18.1	4.9	-1.0	-3.8	-4.0	-15.7
Steel mill products ²	10	17	-3.6	-2.0	2.4	5.4	3.4	-7.8
Nonferrous mill shapes ²	10	25	-4.5	-0.1	0.1	-0.1	0.1	0.2
Electrical machinery and equipment.....	11	7	2.4	0.2	0.1	0.9	0.2	0.4
Electronic components and accessories.....	11	78	0.5	0.2	0.0	0.6	-0.2	-0.1
Stage 2 intermediate demand services.....	ID5	9212	3.2	0.2	0.4	0.6	0.6	0.0
Rail transportation of freight and mail ²	30	11	0.8	0.4	-0.1	1.1	-1.4	0.0
Truck transportation of freight ²	30	12	-3.6	-0.2	-1.5	-0.2	0.7	0.4
U.S. Postal Service ²	30	1601	7.1	0.0	0.0	0.0	3.2	0.0
Courier and messenger services, except air.....	30	1602	4.3	0.0	0.5	0.1	0.0	0.3
Air mail and package delivery services, excluding by USPS.....	30	1603	4.1	-1.0	0.3	0.9	1.1	-0.4
Pipeline transportation ²	30	17	0.7	-0.2	0.0	0.1	-0.7	0.0
Airline passenger services.....	30	22	2.0	-0.4	2.6	-0.7	2.7	2.2
Arrangement of freight and cargo ²	31	31	1.3	-0.3	12.3	-0.1	7.1	-5.1
Television advertising time sales.....	36	21	-12.5	6.3	1.7	-1.0	1.5	-8.4
Wireless telecommunication services.....	37	2	1.2	0.2	0.1	0.1	0.3	0.1
Data processing and related services ²	38	1	1.6	0.3	0.3	0.4	0.1	-0.3
Securities brokerage, dealing, investment advice, and related services ²	40	1	10.8	0.1	2.7	0.8	0.6	3.1
Portfolio management ²	40	2	13.5	-1.7	1.6	6.1	0.2	0.5
Investment banking ²	40	31	16.1	-0.7	-0.7	0.3	3.4	7.6
Insurance.....	41	11	3.6	0.3	0.4	0.1	0.3	0.2
Commissions from sales of insurance ²	42	11	0.3	0.0	0.1	0.0	0.3	0.0
Legal services.....	45	1	6.2	0.3	0.4	2.0	0.4	0.1
Accounting services (partial).....	45	2	7.0	-0.4	0.0	2.2	1.3	0.2
Management, scientific, and technical consulting services ²	45	4	5.4	2.2	0.8	0.2	-0.2	0.1
Advertising agency services ²	45	51	-0.2	0.0	0.0	0.0	0.0	0.0
Staffing services.....	46	3	0.5	0.2	0.2	-0.2	0.0	0.1
Security guard services ²	48	1	11.6	-0.2	2.4	2.8	0.6	-0.1
Janitorial services ²	49	1	-0.5	0.4	0.0	0.7	0.0	0.0
Traveler accommodation services.....	53	1	-4.6	1.0	-4.5	3.7	-1.2	-3.8
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	5.9	0.4	0.8	1.2	-0.4	-0.3
Hardware and building materials and supplies retailing.....	58	D	9.6	0.3	-0.7	-1.3	-1.6	-1.4
Stage 1 intermediate demand.....	ID5	1	0.2	-0.2	-0.2	0.4	0.4	-0.1
Stage 1 intermediate demand goods.....	ID5	9111	-3.0	-0.9	-0.7	-0.2	1.4	-0.7
Prepared animal feeds.....	02	9	-10.6	-0.2	-0.7	-2.5	-2.4	-1.9
Commercial electric power.....	05	42	1.2	-0.5	1.1	-2.3	2.5	-1.4
Industrial electric power.....	05	43	2.4	-0.2	1.1	-2.0	2.2	-1.4
Commercial natural gas.....	05	52	-7.1	2.2	2.0	-0.2	2.0	0.2
Industrial natural gas.....	05	53	-6.4	1.1	-0.4	3.6	-0.4	1.8
Gasoline.....	05	71	-1.5	-4.0	2.1	-3.4	6.7	-3.6
No. 2 diesel fuel.....	05	7303	-6.2	-3.7	-9.3	-0.7	14.9	0.9
Industrial chemicals.....	06	1	-9.3	-2.9	-1.7	-3.1	2.5	0.0
Prepared paint ²	06	21	-1.2	0.0	0.0	0.1	-0.3	-0.2
Plastic construction products ²	07	21	-2.0	0.0	-0.4	0.3	-0.1	0.0
Recyclable paper ²	09	12	77.5	4.0	2.7	8.0	3.0	5.0
Paper ²	09	13	-0.9	-0.1	0.1	0.3	0.3	-0.5
Converted paper and paperboard products ²	09	15	-2.1	-0.2	-0.3	-0.4	0.2	-0.4
Iron and steel scrap.....	10	12	-18.1	4.9	-1.0	-3.8	-4.0	-15.7
Steel mill products ²	10	17	-3.6	-2.0	2.4	5.4	3.4	-7.8
Primary nonferrous metals ²	10	22	6.6	0.6	-1.0	0.6	3.6	1.1
Nonferrous scrap.....	10	23	-1.7	-0.7	2.1	-2.2	-0.9	4.2
Nonferrous wire and cable ²	10	26	-2.8	0.1	0.4	0.2	0.2	0.5
Fabricated structural metal products.....	10	7	1.2	0.5	1.2	0.7	-0.5	-0.8
General purpose machinery and equipment.....	11	4	4.0	0.1	0.3	-0.3	0.7	0.1
Construction sand, gravel, and crushed stone.....	13	21	8.3	0.5	0.5	2.6	1.2	0.4
Stage 1 intermediate demand services.....	ID5	9112	3.5	0.6	0.3	0.9	-0.5	0.5
Truck transportation of freight ²	30	12	-3.6	-0.2	-1.5	-0.2	0.7	0.4
Airline passenger services.....	30	22	2.0	-0.4	2.6	-0.7	2.7	2.2
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-1.4	-0.2	0.0	0.3	0.1	0.0
Business wired telecommunication services ²	37	12	2.6	0.2	-0.1	-0.4	1.1	0.1
Wireless telecommunication services.....	37	2	1.2	0.2	0.1	0.1	0.3	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
 [March 2024]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Mar. 2023 to Mar. 2024 ^p	Oct. to Nov.	Nov. to Dec. ^p	Dec. to Jan. ^p	Jan. to Feb. ^p
Bundled wired telecommunications access services ²	37	5	-0.5	-0.2	1.9	1.6	0.1	-0.2
Business loans (partial).....	39	11	3.1	-1.2	-0.2	0.7	2.8	0.2
Deposit services (partial) ²	39	2	19.7	2.3	3.2	0.9	1.1	2.7
Securities brokerage, dealing, investment advice, and related services ²	40	1	10.8	0.1	2.7	0.8	0.6	3.1
Portfolio management ²	40	2	13.5	-1.7	1.6	6.1	0.2	0.5
Investment banking ²	40	3	16.1	-0.7	-0.7	0.3	3.4	7.6
Insurance.....	41	11	3.6	0.3	0.4	0.1	0.3	0.2
Nonresidential real estate rents ²	43	11	5.3	1.4	1.1	1.7	-3.6	-0.6
Architectural and engineering services.....	45	3	2.7	0.0	0.1	0.0	-0.1	0.0
Management consulting services ²	45	41	5.4	2.2	0.8	0.2	-0.2	0.1
Waste collection.....	50	1	4.5	0.9	-0.3	-0.1	-1.5	1.3
Traveler accommodation services.....	53	11	-4.6	1.0	-4.5	3.7	-1.2	-3.8
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	5.9	0.4	0.8	1.2	-0.4	-0.3
Machinery and equipment parts and supplies wholesaling ²	57	1102	4.3	1.5	-0.1	1.2	1.0	-1.2
Building materials, paint, and hardware wholesaling.....	57	3	-5.0	-1.7	-1.5	3.0	-1.3	-0.6
Metals, minerals, and ores wholesaling ²	57	4	-9.0	10.5	4.4	5.5	-14.7	2.8
Chemicals and allied products wholesaling ²	57	5	3.2	1.0	-5.8	10.4	-3.9	0.8
Paper and plastics products wholesaling ²	57	6	-2.4	1.4	1.1	-1.1	-2.6	-0.4
Hardware and building materials and supplies retailing.....	58	D	9.6	0.3	-0.7	-1.3	-1.6	-1.4
Mining services ²	60	1	1.8	1.2	1.3	-0.2	0.4	0.6

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Nov. 2023	Dec. 2023 ^p	Jan. 2024 ^p	Feb. 2024 ^p	Mar. 2024 ^p
Final Demand								
Final demand.....		FD	4	142.267	142.159	142.676	143.466	143.687
Final demand goods.....		FD	41	142.960	142.801	142.631	144.309	144.137
Final demand foods.....		FD	411	150.798	150.784	150.402	152.078	153.345
Finished consumer foods ²	00/82	FD	4111	266.783	266.963	268.089	273.084	275.281
Finished consumer foods, crude.....	00/82	FD	411113	264.889	248.093	267.841	295.277	283.379
Finished consumer foods, processed.....	00/82	FD	41112	265.806	267.603	266.949	269.769	273.309
Government purchased foods.....		FD	4112	156.471	157.478	155.338	156.961	158.263
Foods for export.....		FD	4113	149.282	148.315	144.015	140.482	141.857
Final demand energy.....		FD	412	141.212	140.064	138.383	144.048	141.794
Finished consumer energy goods ²	00/82	FD	4121	219.817	221.175	218.244	225.602	222.313
Government purchased energy.....		FD	4122	153.323	145.706	144.143	154.492	151.739
Energy for export.....		FD	4123	137.968	127.662	127.656	135.083	131.977
Final demand goods less foods and energy.....		FD	413	141.429	141.539	141.900	142.347	142.422
Finished goods less foods and energy ²	00/82	FD	4131	249.122	249.241	250.063	250.898	251.468
Finished consumer goods less foods and energy.....	00/82	FD	41311	276.782	276.897	277.336	278.357	278.663
Nondurable consumer goods less foods and energy.....	00/82	FD	413111	359.741	360.071	360.513	362.520	362.460
Durable consumer goods.....	00/82	FD	413112	191.834	191.767	192.176	192.323	192.914
Private capital equipment.....	00/82	FD	41312	213.944	214.061	215.183	215.818	216.596
Private capital equipment for manufacturing industries.....	00/82	FD	413121	229.715	230.232	231.891	232.610	233.867
Private capital equipment for nonmanufacturing industries.....	00/82	FD	413122	209.227	209.225	210.189	210.800	211.436
Government purchased goods, excluding foods and energy.....		FD	4132	137.555	137.618	138.202	138.632	139.022
Government purchased goods excluding foods, energy, and capital equipment.....		FD	41321	145.539	145.588	145.771	146.293	146.575
Government purchased capital equipment.....		FD	41322	125.447	125.526	126.579	126.892	127.404
Goods for export, excluding foods and energy.....		FD	4133	137.287	137.480	137.572	137.962	137.499
Final demand services.....		FD	42	140.824	140.733	141.559	141.978	142.378
Final demand trade services ³		FD	423	152.081	150.337	150.637	150.783	151.229
Trade of finished goods ²		FD	4231	149.976	148.674	148.470	148.750	149.178
Trade of personal consumption goods.....		FD	42311	149.534	149.599	148.894	149.347	149.497
Trade of private capital equipment.....		FD	42312	150.232	142.888	144.908	144.417	146.075
Trade of government purchased goods.....		FD	4232	166.279	161.596	163.977	164.096	164.626
Trade of government purchased goods, excluding capital equipment.....		FD	42321	172.210	171.279	171.303	171.463	171.168
Trade of government purchased capital equipment.....		FD	42322	155.824	145.581	151.460	151.514	153.267
Trade of exports.....		FD	4233	166.506	161.700	165.999	164.851	165.436
Final demand transportation and warehousing services.....		FD	422	149.708	149.515	149.245	150.920	152.117
Transportation of passengers for final demand.....		FD	4221	133.715	137.204	136.259	139.873	142.952
Transportation of private passengers.....		FD	42211	133.720	137.202	136.259	139.866	142.939
Transportation of government passengers.....		FD	42212	133.517	136.968	136.032	139.607	142.651
Transportation of passengers for export.....		FD	42213	133.701	137.219	136.267	139.913	143.018
Transportation and warehousing of goods for final demand.....		FD	4222	155.125	153.496	153.492	154.399	154.855
Transportation and warehousing of finished goods ²		FD	42221	153.084	151.287	151.222	152.171	152.641
Transportation and warehousing of personal consumption goods.....		FD	422211	153.621	151.862	151.801	152.795	153.258
Transportation and warehousing of private capital equipment.....		FD	422212	150.905	148.955	148.877	149.639	150.138
Transportation and warehousing of government purchased goods.....		FD	42222	153.786	152.375	152.463	153.631	154.142
Transportation and warehousing of exports.....		FD	42223	161.277	159.980	160.095	160.859	161.273
Final demand services less trade, transportation, and warehousing.....		FD	421	134.739	135.325	136.472	136.869	137.165
Finished services less trade, transportation, and warehousing ²		FD	4211	135.057	135.566	136.726	137.121	137.344
Finished consumer services less trade, transportation, and warehousing.....		FD	42111	134.373	134.845	136.215	136.670	136.871
Private capital investment services less trade, transportation, and warehousing.....		FD	42112	141.528	142.329	141.853	141.786	142.181
Government purchased services less trade, transportation, and warehousing.....		FD	4212	125.364	126.045	127.178	127.357	127.523
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....		FD	42121	126.017	126.686	127.949	128.146	128.282
Government purchased capital investment services less trade, transportation, and warehousing.....		FD	42122	110.003	110.805	110.049	109.952	110.537
Services for export less trade, transportation, and warehousing.....		FD	4213	141.691	143.293	144.286	144.947	146.460
Final demand construction.....		FD	43	174.118	174.176	174.643	174.602	174.757
Construction for private capital investment.....		FD	431	178.171	178.287	178.685	178.648	178.839
Construction for government.....		FD	432	166.586	166.522	167.138	167.090	167.167
Final Demand Special Groupings								
Final demand less exports.....	04/10	FD	49101	139.896	139.863	140.378	141.226	141.440
Final demand less government.....	04/10	FD	49102	140.272	140.228	140.732	141.458	141.692
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy ¹	04/10	FD	49103	140.299	140.203	140.985	141.418	141.726
Final demand less foods and energy ⁴	04/10	FD	49104	140.092	140.048	140.757	141.166	141.486
Final demand less foods and food and nonalcoholic beverages for immediate consumption ⁴	04/10	FD	49105	139.924	139.759	140.377	141.149	141.289

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Nov. 2023	Dec. 2023 ^P	Jan. 2024 ^P	Feb. 2024 ^P	Mar. 2024 ^P
Final demand less foods ⁴	04/10	FD	49106	139.681	139.569	140.128	140.858	141.018
Final demand less energy.....	04/10	FD	49107	140.446	140.403	141.050	141.529	141.901
Final demand less trade services.....	01/10	FD	49108	138.344	138.595	139.153	140.074	140.244
Final demand less distributive services ⁵	01/10	FD	49109	137.791	138.122	138.704	139.627	139.785
Final demand goods less energy.....	01/10	FD	49111	141.964	142.046	142.243	142.950	143.282
Final demand goods less foods.....	04/10	FD	49112	138.229	138.043	137.921	139.563	139.096
Final demand services less trade services.....	04/10	FD	49113	134.959	135.467	136.472	136.985	137.363
Final demand distributive services ⁵	04/10	FD	49114	149.478	147.787	148.034	148.294	148.733
Final demand goods plus final demand distributive services ⁵	04/10	FD	49115	143.594	142.802	142.808	143.873	143.957
Final demand less foods, energy, and trade services ⁴	08/13	FD	49116	129.107	129.471	130.236	130.684	130.955
Private and government purchased capital equipment.....	08/13	FD	49117	129.175	129.247	129.981	130.356	130.833
Private and government purchased capital investment services.....	08/13	FD	49118	134.412	132.021	132.599	132.441	133.272
Total private and government purchased capital investment.....	08/13	FD	49119	135.019	133.861	134.472	134.525	135.133
Total finished ²	01/10	FD	49201	140.852	140.900	141.413	142.211	142.443
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy ^{2, 4}	12/10	FD	49202	139.774	139.765	140.429	140.854	141.171
Total finished less foods and energy ^{2, 4}	01/10	FD	49203	140.634	140.624	141.288	141.719	142.046
Total finished less foods and food and nonalcoholic beverages for immediate consumption ^{2, 4}	12/10	FD	49204	138.957	139.002	139.506	140.188	140.355
Total finished less foods ^{2, 4}	01/10	FD	49205	140.369	140.413	140.920	141.609	141.787
Total finished less energy ²	01/10	FD	49206	141.142	141.139	141.801	142.361	142.738
Finished goods ²	00/82	FD	49207	254.608	255.077	254.988	258.454	258.353
Finished goods less energy ²	00/82	FD	49208	253.009	253.144	254.045	255.993	256.999
Finished goods, excluding foods ^{2, 4}	00/82	FD	49209	250.745	251.288	250.879	253.935	253.232
Finished services ²	01/10	FD	49210	139.121	139.094	139.800	140.232	140.562
Private capital investment services.....	04/10	FD	49211	144.579	142.184	142.664	142.485	143.355
Finished distributive services ^{2, 5}	04/10	FD	49212	147.261	145.926	145.743	146.097	146.522
Finished services less trade services ²	04/10	FD	49213	134.879	135.326	136.368	136.857	137.150
Finished services less distributive services ^{2, 5}	04/10	FD	49214	134.145	134.716	135.821	136.286	136.570
Total private capital investment (goods, services, and construction).....	04/10	FD	49215	143.040	141.811	142.361	142.407	143.065
Finished goods plus finished distributive services ²	04/10	FD	49216	144.494	143.986	143.872	145.042	145.218
Total exports.....	04/10	FD	49301	140.493	139.912	140.378	140.699	140.947
Goods for export.....	00/82	FD	49302	232.645	231.728	231.014	231.579	230.906
Services for export.....	04/10	FD	49303	151.774	151.109	152.814	153.131	154.275
Total government purchases.....	04/10	FD	49401	137.462	136.647	137.203	138.578	138.619
Government purchased goods.....	00/82	FD	49402	233.516	230.591	230.136	235.189	234.680
Government purchased services.....	04/10	FD	49403	134.003	133.801	135.032	135.339	135.656
Total government purchased capital investment (goods, services, construction).....	08/13	FD	49404	132.986	131.863	133.120	133.234	133.734
Government purchases, defense.....	05/15	FD	49405	125.055	123.404	124.117	125.823	125.684
Government purchases, non-defense.....	05/15	FD	49406	131.511	131.138	131.587	132.696	132.820
Personal consumption.....	01/10	FD	49501	140.270	140.609	141.114	142.084	142.219
Personal consumption goods (finished consumer goods).....	00/82	FD	49502	271.823	272.446	271.823	276.533	276.045
Personal consumption goods less energy.....	00/82	FD	49503	273.014	273.157	273.898	276.652	277.783
Personal consumption goods less foods.....	00/82	FD	49504	272.055	272.861	271.498	276.051	274.427
Personal consumption nondurable goods less foods.....	00/82	FD	49508	307.115	308.312	306.156	312.722	310.097
Personal consumption services.....	04/10	FD	49505	137.758	138.097	138.835	139.360	139.606
Personal consumption less trade services.....	04/10	FD	49506	137.368	137.775	138.579	139.673	139.804
Personal consumption less distributive services ⁵	04/10	FD	49507	137.016	137.500	138.335	139.435	139.554
Personal consumption less foods and energy.....	04/14	FD	49510	129.134	129.423	130.064	130.555	130.776
Personal consumption less foods, energy, and trade services ³	04/14	FD	49511	126.456	126.815	127.846	128.358	128.604
Personal consumption less foods, energy, and distributive services ⁵	04/14	FD	49512	126.354	126.801	127.883	128.380	128.620
Personal consumption goods plus personal consumption distributive services ⁵	08/13	FD	49509	132.751	132.829	132.395	133.746	133.716
Intermediate Demand by Commodity Type								
Processed goods								
Processed goods for intermediate demand.....	00/82	ID6	1	255.588	254.475	254.135	257.995	256.651
Materials and components for manufacturing.....	00/82	ID6	11	231.059	231.609	232.130	234.073	233.015
Materials for manufacturing.....		ID6	111	142.407	142.796	142.976	144.714	143.477
Materials for food manufacturing.....	00/82	ID6	1111	248.841	250.340	246.532	250.728	254.258
Materials for nondurable manufacturing.....	00/82	ID6	1112	261.015	259.702	257.691	260.183	260.432
Materials for durable manufacturing.....	00/82	ID6	1113	273.026	275.831	280.925	284.561	276.508
Components for manufacturing.....	00/82	ID6	112	188.361	188.704	189.426	189.874	190.241
Components for nondurable manufacturing.....		ID6	1121	145.270	145.698	145.443	146.074	146.267
Components for durable manufacturing.....		ID6	1122	132.994	133.228	133.776	134.079	134.342
Materials and components for construction.....	00/82	ID6	12	352.868	353.706	354.423	355.337	355.140
Materials for construction.....		ID6	121	167.847	168.020	168.497	169.294	169.449
Components for construction.....		ID6	122	179.358	179.974	180.223	180.381	180.071
Processed fuels and lubricants for intermediate demand.....	00/82	ID6	13	247.721	240.649	237.949	252.070	248.302
Processed fuels and lubricants to manufacturing industries.....	00/82	ID6	131	258.227	251.428	247.844	257.048	254.913

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Nov. 2023	Dec. 2023 ^P	Jan. 2024 ^P	Feb. 2024 ^P	Mar. 2024 ^P
Processed fuels and lubricants to nonmanufacturing industries.....	00/82	ID6	132	244.687	237.520	235.097	250.809	246.515
Containers for intermediate demand.....	00/82	ID6	14	304.671	304.742	304.367	304.489	303.480
Supplies for intermediate demand.....	00/82	ID6	15	250.610	250.570	250.219	250.243	250.077
Supplies to manufacturing industries.....	00/82	ID6	151	245.378	245.616	246.674	246.594	246.948
Supplies to nonmanufacturing industries.....	00/82	ID6	152	249.433	249.350	248.784	248.823	248.578
Supplies to nonmanufacturing industries, feeds.....	00/82	ID6	1521	234.791	230.922	224.963	217.276	213.156
Supplies to nonmanufacturing industries, other than feeds.....	00/82	ID6	1522	253.343	253.751	253.881	254.927	255.185
Unprocessed goods								
Unprocessed goods for intermediate demand.....	00/82	ID6	2	251.309	240.982	244.612	242.896	238.367
Unprocessed foodstuffs and feedstuffs.....	00/82	ID6	21	219.200	211.966	208.824	212.133	216.786
Unprocessed nonfood materials.....	00/82	ID6	22	263.730	251.599	260.013	254.704	243.670
Unprocessed nonfood materials except fuel.....	00/82	ID6	221	328.565	310.566	315.471	321.728	320.577
Unprocessed nonfood materials except fuel to manufacturing industries.....	00/82	ID6	2211	303.588	286.046	290.426	296.312	295.108
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	00/82	ID6	2212	357.427	358.968	367.831	372.202	374.206
Unprocessed fuel.....	00/82	ID6	222	128.545	128.087	142.735	115.813	86.620
Unprocessed fuel to manufacturing industries.....	00/82	ID6	2221	226.485	223.405	229.510	220.666	206.247
Unprocessed fuel to nonmanufacturing industries.....	00/82	ID6	2222	126.693	126.369	141.917	113.208	82.349
Services								
Services for intermediate demand.....		ID6	3	147.485	148.131	149.236	149.214	149.560
Trade services for intermediate demand ⁵		ID6	33	176.792	176.411	178.297	175.562	175.641
Trade services for manufacturing industries.....	12/12	ID6	331	161.463	160.864	164.372	160.623	160.824
Trade services for nonmanufacturing industries.....	12/12	ID6	332	157.379	157.280	157.256	156.014	155.962
Transportation and warehousing services for intermediate demand.....		ID6	32	155.934	157.166	157.301	159.224	159.246
Transportation of passengers for intermediate demand.....		ID6	321	133.581	137.031	136.096	139.669	142.712
Transportation of passengers for manufacturing industries.....		ID6	3211	133.679	137.195	136.243	139.886	142.990
Transportation of passengers for nonmanufacturing industries.....		ID6	3212	133.630	137.073	136.139	139.705	142.741
Transportation and warehousing of goods for intermediate demand.....		ID6	322	158.348	159.374	159.610	161.383	161.123
Transportation and warehousing of goods for manufacturing industries.....	12/12	ID6	3221	130.954	130.134	130.434	130.569	131.009
Transportation and warehousing of goods for nonmanufacturing industries.....	12/12	ID6	3222	141.635	143.038	143.219	145.191	144.768
Services less trade, transportation, and warehousing for intermediate demand.....		ID6	31	138.246	138.997	140.102	140.301	140.759
Services less trade, transportation, and warehousing for manufacturing industries.....		ID6	311	129.610	130.217	132.496	132.397	132.913
Services less trade, transportation, and warehousing for nonmanufacturing industries.....		ID6	312	138.521	139.277	140.342	140.551	141.007
Construction								
Construction for intermediate demand.....		ID6	4	145.959	145.988	146.400	146.405	147.220
Intermediate Demand by Commodity Type Special Groupings								
Processed materials less foods and feeds.....	00/82	ID6	9111	256.821	255.570	255.598	259.766	258.132
Processed foods and feeds.....	00/82	ID6	9112	243.805	244.033	240.090	240.907	242.420
Processed energy goods.....	00/82	ID6	9113	248.871	241.766	239.053	253.253	249.464
Processed materials less energy.....	00/82	ID6	9118	254.196	254.587	254.841	256.073	255.355
Processed materials less foods and energy.....	00/82	ID6	9115	255.045	255.455	256.251	257.533	256.530
Intermediate distributive services ⁶	04/10	ID6	9116	166.265	166.501	167.644	166.904	166.835
Processed goods plus intermediate distributive services.....	04/10	ID6	9117	146.310	145.932	146.105	147.446	146.892
Unprocessed materials less agricultural products.....	00/82	ID6	9211	270.176	256.890	267.347	262.929	250.215
Unprocessed energy materials ⁷	00/82	ID6	9212	203.760	188.145	200.143	196.201	182.581
Unprocessed materials less energy.....	00/82	ID6	9213	273.368	268.187	264.388	264.930	268.650
Unprocessed nonfood materials less energy ⁸	00/82	ID6	9216	434.930	436.281	430.532	422.443	423.105
Intermediate Demand by Production Flow								
Stage 4 Intermediate Demand								
Stage 4 intermediate demand.....		ID5	4	149.042	149.382	150.233	150.472	150.718
Inputs to stage 4 goods producers.....		ID5	41	146.109	145.946	146.617	146.344	146.046
Goods.....		ID5	411	138.471	138.360	138.482	138.574	138.247
Foods.....		ID5	4111	144.619	144.367	141.650	138.785	139.261
Energy.....		ID5	4112	150.873	142.766	140.543	140.605	138.619
Goods excluding foods and energy.....		ID5	4113	137.523	137.508	138.086	138.632	138.196
Services.....		ID5	412	171.537	171.198	173.698	172.191	171.995
Trade services.....		ID5	4123	184.380	183.762	187.019	184.849	184.367
Transportation and warehousing services.....		ID5	4122	136.640	136.471	136.770	136.895	137.675
Transportation of passengers.....		ID5	41221	133.700	137.218	136.266	139.912	143.017
Transportation and warehousing of goods.....		ID5	41222	146.264	145.361	145.926	145.368	145.744
Services less trade, transportation, and warehousing.....		ID5	4121	131.640	132.071	132.898	132.876	133.197
Inputs to stage 4 services producers.....		ID5	42	146.598	147.202	148.248	148.787	149.418

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Nov. 2023	Dec. 2023 ^P	Jan. 2024 ^P	Feb. 2024 ^P	Mar. 2024 ^P
Goods.....		ID5	421	146.116	146.167	145.306	147.265	147.169
Foods.....		ID5	4211	147.667	148.301	146.394	147.842	150.750
Energy.....		ID5	4212	141.389	141.172	138.771	143.860	141.641
Goods excluding foods and energy.....		ID5	4213	147.539	147.566	147.936	148.189	148.426
Services.....		ID5	422	146.540	147.328	149.008	149.070	149.943
Trade services.....		ID5	4223	165.105	163.551	165.999	165.013	165.074
Transportation and warehousing services.....		ID5	4222	151.294	152.424	152.595	155.542	156.163
Transportation of passengers.....		ID5	42221	133.199	136.683	135.740	139.350	142.425
Transportation and warehousing of goods.....		ID5	42222	154.998	155.734	156.095	158.941	159.150
Services less trade, transportation, and warehousing.....		ID5	4221	143.012	144.008	145.752	145.623	146.603
Construction.....		ID5	423	145.959	145.988	146.400	146.405	147.220
Inputs to stage 4 construction producers.....		ID5	43	163.248	163.608	164.030	164.165	164.009
Goods.....		ID5	431	167.086	167.553	167.792	168.903	168.600
Energy.....		ID5	4312	150.066	148.907	145.554	153.954	151.144
Goods excluding foods and energy.....		ID5	4313	172.627	173.268	173.873	174.287	174.227
Services.....		ID5	432	153.332	153.427	154.303	151.982	152.195
Trade services.....		ID5	4323	173.615	174.439	176.496	170.456	170.574
Transportation and warehousing services.....		ID5	4322	147.620	145.883	145.866	146.374	146.853
Transportation of passengers.....		ID5	43221	139.372	143.033	142.042	145.835	149.066
Transportation and warehousing of goods.....		ID5	43222	148.603	146.726	146.733	147.165	147.579
Services less trade, transportation, and warehousing.....		ID5	4321	132.755	132.931	133.128	132.900	133.083
Stage 3 Intermediate Demand								
Stage 3 intermediate demand.....		ID5	3	146.099	145.544	145.970	147.467	147.446
Inputs to stage 3 goods producers.....		ID5	31	153.673	152.747	153.499	154.602	155.081
Goods.....		ID5	311	148.095	147.005	147.228	149.628	149.992
Foods.....		ID5	3111	160.139	155.700	153.718	159.287	162.988
Energy.....		ID5	3112	142.029	137.215	137.775	135.837	138.168
Goods excluding foods and energy.....		ID5	3113	147.460	147.991	149.143	150.524	149.369
Services.....		ID5	312	164.832	164.598	167.338	163.335	164.228
Trade services.....		ID5	3123	173.004	173.081	177.883	169.996	171.096
Transportation and warehousing services.....		ID5	3122	149.889	148.840	149.090	149.760	150.452
Transportation of passengers.....		ID5	31221	142.354	146.097	145.084	148.964	152.268
Transportation and warehousing of goods.....		ID5	31222	150.093	148.781	149.101	149.593	150.140
Services less trade, transportation, and warehousing.....		ID5	3121	135.634	136.002	136.607	136.316	136.792
Inputs to stage 3 services producers.....		ID5	32	139.304	139.007	139.203	141.015	140.640
Goods.....		ID5	321	127.826	122.166	121.720	128.963	127.494
Foods.....		ID5	3211	157.256	156.193	155.102	154.295	154.120
Energy.....		ID5	3212	128.918	119.615	118.624	130.390	127.734
Goods excluding foods and energy.....		ID5	3213	135.774	135.739	136.193	136.561	136.952
Services.....		ID5	322	142.150	143.261	143.624	144.028	143.924
Trade services.....		ID5	3223	200.490	201.309	198.778	197.800	197.991
Transportation and warehousing services.....		ID5	3222	163.004	165.590	165.645	168.297	167.365
Transportation of passengers.....		ID5	32221	104.355	104.603	104.462	104.633	104.745
Transportation and warehousing of goods.....		ID5	32222	163.509	166.107	166.163	168.828	167.891
Services less trade, transportation, and warehousing.....		ID5	3221	133.420	134.149	134.770	134.641	134.747
Construction.....		ID5	323	145.959	145.988	146.400	146.405	147.220
Inputs to stage 3 construction producers.....		ID5	33	142.173	142.294	142.305	141.625	141.358
Goods.....		ID5	331	133.515	133.803	134.145	134.716	135.092
Goods excluding foods and energy.....		ID5	3313	170.130	170.497	170.933	171.661	172.140
Services.....		ID5	332	171.347	171.283	170.901	168.630	167.553
Trade services.....		ID5	3323	176.619	176.493	175.947	173.480	172.215
Transportation and warehousing services.....		ID5	3322	116.109	116.385	117.379	116.610	116.872
Transportation and warehousing of goods.....		ID5	33222	122.557	122.848	123.898	123.087	123.363
Services less trade, transportation, and warehousing.....		ID5	3321	126.124	126.672	127.684	127.230	127.899
Stage 2 Intermediate Demand								
Stage 2 intermediate demand.....		ID5	2	135.574	133.968	135.347	135.276	133.567
Inputs to stage 2 goods producers.....		ID5	21	124.165	120.716	122.708	121.622	118.690
Goods.....		ID5	211	119.479	114.915	117.189	115.781	111.720
Foods.....		ID5	2111	159.015	155.451	148.098	139.663	137.626
Energy.....		ID5	2112	90.224	83.591	88.783	87.357	81.616
Goods excluding foods and energy.....		ID5	2113	141.694	141.242	140.371	140.900	139.789
Services.....		ID5	212	151.838	151.664	152.959	152.797	153.196
Trade services.....		ID5	2123	172.162	170.519	172.675	171.889	172.354
Transportation and warehousing services.....		ID5	2122	168.822	169.628	170.503	170.221	170.631
Transportation of passengers.....		ID5	21221	134.185	137.560	136.642	140.134	143.107
Transportation and warehousing of goods.....		ID5	21222	170.824	171.507	172.470	172.005	172.291
Services less trade, transportation, and warehousing.....		ID5	2121	137.060	137.576	138.513	139.154	139.532
Construction.....		ID5	213	145.959	145.988	146.400	146.405	147.220

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Nov. 2023	Dec. 2023 ^P	Jan. 2024 ^P	Feb. 2024 ^P	Mar. 2024 ^P
Inputs to stage 2 services producers.....		ID5	22	144.988	145.716	146.289	147.463	147.307
Goods.....		ID5	221	143.978	143.507	144.076	144.299	143.798
Foods.....		ID5	2211	114.112	113.580	112.632	110.879	110.217
Energy.....		ID5	2212	151.558	147.011	147.243	159.277	155.000
Goods excluding foods and energy.....		ID5	2213	144.187	143.984	143.515	144.071	143.819
Services.....		ID5	222	144.669	145.558	146.257	147.447	147.312
Trade services.....		ID5	2223	190.064	192.684	187.251	187.470	188.136
Transportation and warehousing services.....		ID5	2222	142.897	149.319	148.792	152.266	149.906
Transportation of passengers.....		ID5	22221	134.133	137.637	136.688	140.318	143.410
Transportation and warehousing of goods.....		ID5	22222	145.072	152.055	151.604	155.063	151.692
Services less trade, transportation, and warehousing.....		ID5	2221	143.546	143.949	145.028	146.101	146.093
Construction.....		ID5	223	145.959	145.988	146.400	146.405	147.220
Stage 1 Intermediate Demand								
Stage 1 intermediate demand.....		ID5	1	145.548	145.297	145.848	146.435	146.258
Inputs to stage 1 goods producers.....		ID5	11	143.398	142.883	143.542	143.258	142.026
Goods.....		ID5	111	140.209	139.560	139.119	140.104	138.107
Foods.....		ID5	1111	142.438	140.969	135.546	130.412	131.716
Energy.....		ID5	1112	127.309	122.982	122.757	127.758	125.230
Goods excluding foods and energy.....		ID5	1113	146.536	146.895	147.238	148.320	145.839
Services.....		ID5	112	156.228	156.089	159.936	155.939	156.912
Trade services.....		ID5	1123	171.957	170.786	177.198	169.609	170.687
Transportation and warehousing services.....		ID5	1122	157.780	159.432	159.700	161.232	162.651
Transportation of passengers.....		ID5	11221	133.675	137.192	136.240	139.885	142.990
Transportation and warehousing of goods.....		ID5	11222	161.960	163.130	163.698	164.682	165.663
Services less trade, transportation, and warehousing.....		ID5	1121	110.815	111.690	112.301	112.512	113.131
Construction.....		ID5	113	145.959	145.988	146.400	146.405	147.220
Inputs to stage 1 services producers.....		ID5	12	145.439	145.434	146.009	147.056	147.472
Goods.....		ID5	121	145.833	144.162	143.768	147.280	146.908
Foods.....		ID5	1211	128.006	128.022	127.987	144.734	138.610
Energy.....		ID5	1212	154.372	148.468	146.418	157.036	155.736
Goods excluding foods and energy.....		ID5	1213	149.925	150.150	150.512	150.757	150.843
Services.....		ID5	122	144.604	145.299	146.279	146.279	147.026
Trade services.....		ID5	1223	178.080	179.242	178.187	176.619	176.506
Transportation and warehousing services.....		ID5	1222	143.581	144.665	144.474	147.139	148.221
Transportation of passengers.....		ID5	12221	133.595	137.110	136.159	139.801	142.904
Transportation and warehousing of goods.....		ID5	12222	164.193	164.112	164.301	166.736	166.870
Services less trade, transportation, and warehousing.....		ID5	1221	139.775	140.361	141.696	141.472	142.246
Construction.....		ID5	123	145.959	145.988	146.400	146.405	147.220
Inputs to stage 1 construction producers.....		ID5	13	163.626	162.942	163.113	164.035	164.032
Goods.....		ID5	131	164.428	163.584	163.960	165.929	166.197
Energy.....		ID5	1312	137.291	125.462	124.336	139.057	139.437
Goods excluding foods and energy.....		ID5	1313	170.385	170.853	171.417	171.880	172.139
Services.....		ID5	132	162.701	162.405	162.072	160.415	159.742
Trade services.....		ID5	1323	173.247	173.483	173.059	170.442	169.317
Transportation and warehousing services.....		ID5	1322	122.010	120.292	120.092	120.939	121.382
Transportation and warehousing of goods.....		ID5	13222	126.204	124.427	124.220	125.096	125.554
Services less trade, transportation, and warehousing.....		ID5	1321	139.325	139.993	140.926	140.095	140.313
Intermediate Demand by Production Flow Special Groupings								
Total goods inputs to stage 4 intermediate demand.....	04/10	ID5	9411	143.471	143.526	143.378	144.224	143.977
Total services inputs to stage 4 intermediate demand.....	04/10	ID5	9412	150.408	150.995	152.725	152.402	153.086
Total construction inputs to stage 4 intermediate demand.....	04/10	ID5	9413	144.750	144.779	145.187	145.192	146.000
Total foods inputs to stage 4 intermediate demand.....	04/10	ID5	9414	142.730	142.856	140.539	139.542	141.026
Total energy goods inputs to stage 4 intermediate demand.....	04/10	ID5	9415	131.303	130.720	128.383	133.379	131.264
Total goods less foods and energy inputs to stage 4 intermediate demand.....	04/10	ID5	9416	146.523	146.671	147.208	147.657	147.452
Total goods inputs to stage 3 intermediate demand.....	04/10	ID5	9311	135.773	133.642	133.692	137.132	137.031
Total services inputs to stage 3 intermediate demand.....	04/10	ID5	9312	145.068	145.941	146.681	146.339	146.390
Total construction inputs to stage 3 intermediate demand.....	04/10	ID5	9313	144.750	144.779	145.187	145.192	146.000
Total foods inputs to stage 3 intermediate demand.....	04/10	ID5	9314	142.511	138.586	136.829	141.736	145.000
Total energy goods inputs to stage 3 intermediate demand.....	04/10	ID5	9315	128.395	119.937	119.195	128.702	126.837
Total goods less foods and energy inputs to stage 3 intermediate demand.....	04/10	ID5	9316	139.837	140.256	141.242	142.399	141.556
Total goods inputs to stage 2 intermediate demand.....	04/10	ID5	9211	116.144	112.208	114.103	113.030	109.526
Total services inputs to stage 2 intermediate demand.....	04/10	ID5	9212	146.845	147.485	148.327	149.202	149.192
Total construction inputs to stage 2 intermediate demand.....	04/10	ID5	9213	144.750	144.779	145.187	145.192	146.000
Total foods inputs to stage 2 intermediate demand.....	04/10	ID5	9214	159.358	155.820	148.522	140.141	138.113
Total energy goods inputs to stage 2 intermediate demand.....	04/10	ID5	9215	89.024	82.552	87.580	86.334	80.729
Total goods less foods and energy inputs to stage 2 intermediate demand.....	04/10	ID5	9216	134.158	133.786	133.054	133.559	132.701
Total goods inputs to stage 1 intermediate demand.....	04/10	ID5	9111	129.880	128.970	128.714	130.490	129.538

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Nov. 2023	Dec. 2023 ^p	Jan. 2024 ^p	Feb. 2024 ^p	Mar. 2024 ^p
Total services inputs to stage 1 intermediate demand.....	04/10	ID5	9112	147.025	147.509	148.890	148.098	148.787
Total construction inputs to stage 1 intermediate demand.....	04/10	ID5	9117	144.750	144.779	145.187	145.192	146.000
Total foods inputs to stage 1 intermediate demand.....	04/10	ID5	9114	133.618	132.272	127.296	122.976	124.030
Total energy goods inputs to stage 1 intermediate demand.....	04/10	ID5	9115	136.914	131.337	130.157	138.536	136.937
Total goods less foods and energy inputs to stage 1 intermediate demand.....	04/10	ID5	9116	126.417	126.700	127.027	127.605	126.671

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.

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"/" Data not available.