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PRODUCER PRICE INDEXES – MAY 2022

The Producer Price Index for final demand increased 0.8 percent in May, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. This rise followed advances of 0.4 percent in April and 1.6 percent in March. (See table A.) On an unadjusted basis, final demand prices moved up 10.8 percent for the 12 months ended in May.

In May, nearly two-thirds of the rise in the index for final demand was due to a 1.4-percent advance in prices for final demand goods. The index for final demand services increased 0.4 percent.

Prices for final demand less foods, energy, and trade services moved up 0.5 percent in May after increasing 0.4 percent in April. For the 12 months ended in May, the index for final demand less foods, energy, and trade services rose 6.8 percent.

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

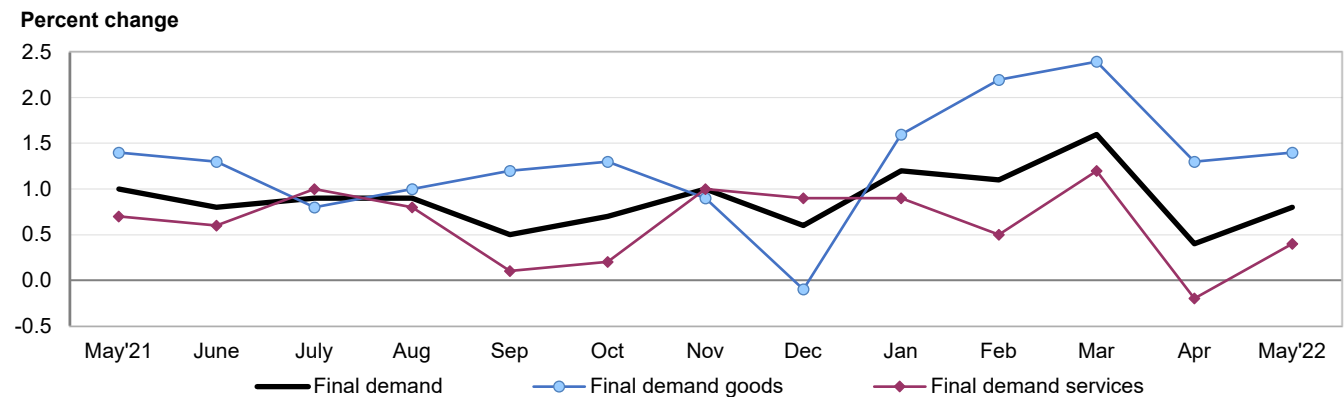
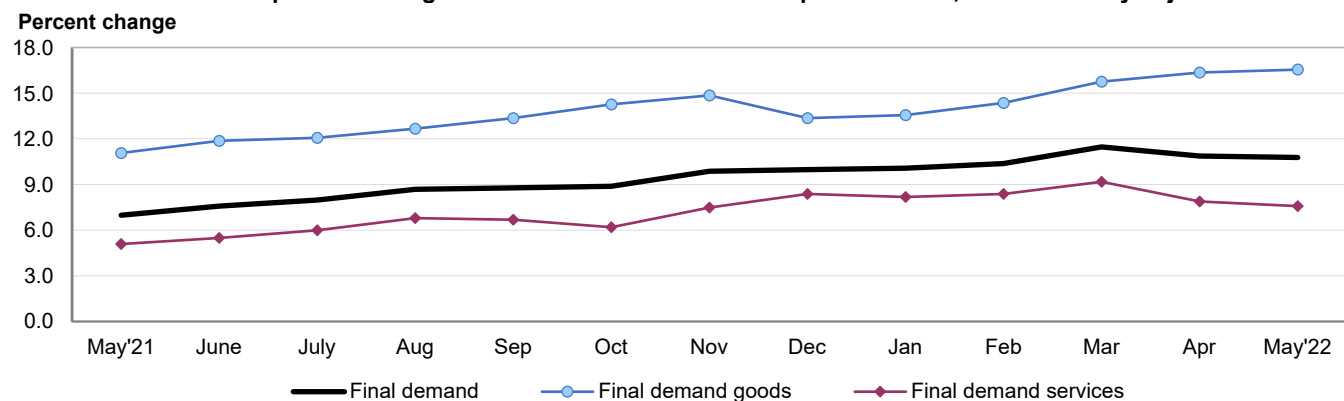


Chart 2. Twelve-month percent changes in selected PPI final demand price indexes, not seasonally adjusted



Final Demand

Final demand goods: The index for final demand goods moved up 1.4 percent in May, the fifth consecutive rise. Over 70 percent of the increase in May can be traced to a 5.0-percent advance in prices for final demand energy. The index for final demand goods less foods and energy moved up 0.7 percent, while prices for final demand foods were unchanged.

Product detail: Forty percent of the May increase in prices for final demand goods can be attributed to an 8.4-percent advance in the index for gasoline. Prices for jet fuel, residential natural gas, steel mill products, diesel fuel, and processed young chickens also moved higher. Conversely, the index for beef and veal fell 9.5 percent. Prices for iron and steel scrap and for commercial electric power also decreased. (See table 2.)

Final demand services: The index for final demand services moved up 0.4 percent in May following a 0.2-percent decrease in April. Over half of the broad-based advance can be traced to a 2.9-percent rise in prices for final demand transportation and warehousing services. The indexes for final demand trade services and for final demand services less trade, transportation, and warehousing also moved higher, 0.4 percent and 0.1 percent, respectively. (Trade indexes measure changes in margins received by wholesalers and retailers.)

Product detail: Nearly 30 percent of the May increase in the index for final demand services can be attributed to prices for truck transportation of freight, which rose 2.9 percent. The indexes for services related to securities brokerage and dealing (partial), machinery and equipment wholesaling, chemicals and allied products wholesaling, automobiles and automobile parts retailing, and transportation of passengers (partial) also advanced. In contrast, margins for fuels and lubricants retailing declined 21.7 percent. The indexes for portfolio management and for guestroom rental also moved lower.

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

Month	Total final demand	Final demand less foods, energy, and trade	Final demand goods				Final demand services				Change in final demand from 12 months ago (unadj.)	Change in final demand less foods, energy, and trade from 12 mo. ago (unadj.)
			Total	Foods	Energy	Less foods and energy	Total	Trade	Transportation and warehousing	Other		
2021												
May. ...	1.0	0.5	1.4	2.5	1.5	1.1	0.7	1.8	0.2	0.2	7.0	5.3
June...	0.8	0.6	1.3	0.8	2.9	1.0	0.6	0.8	1.4	0.4	7.6	5.6
July....	0.9	0.7	0.8	-0.9	2.2	0.8	1.0	1.7	2.5	0.5	8.0	6.0
Aug....	0.9	0.4	1.0	2.1	1.3	0.6	0.8	2.1	0.8	0.2	8.7	6.2
Sept...	0.5	0.3	1.2	2.1	2.5	0.6	0.1	0.0	-1.0	0.3	8.8	6.1
Oct....	0.7	0.4	1.3	-0.1	5.0	0.7	0.2	0.5	1.1	-0.1	8.9	6.2
Nov....	1.0	0.8	0.9	1.3	0.9	0.8	1.0	1.3	2.8	0.6	9.9	7.0
Dec....	0.6	0.4	-0.1	-0.2	-1.4	0.4	0.9	1.9	1.6	0.3	10.0	7.0
2022												
Jan. ¹ ..	1.2	0.8	1.6	1.8	4.1	0.8	0.9	1.3	0.0	0.8	10.1	6.9
Feb. ¹ ..	1.1	0.2	2.2	1.9	7.2	0.8	0.5	1.7	2.0	-0.3	10.4	6.8
Mar. ¹ ..	1.6	1.0	2.4	2.4	6.5	1.1	1.2	1.8	5.7	0.4	11.5	7.1
Apr. ¹ ..	0.4	0.4	1.3	1.4	1.6	1.1	-0.2	-0.6	2.0	-0.2	10.9	6.8
May. ...	0.8	0.5	1.4	0.0	5.0	0.7	0.4	0.4	2.9	0.1	10.8	6.8

¹ Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for January 2022 through April 2022 have been revised to reflect the availability of late reports and corrections by respondents.

Intermediate Demand by Commodity Type

Within intermediate demand in May, prices for processed goods advanced 2.3 percent, the index for unprocessed goods increased 6.3 percent, and prices for services rose 0.6 percent. (See tables B and C.)

Processed goods for intermediate demand: The index for processed goods for intermediate demand increased 2.3 percent in May, the fifth consecutive advance. Over half of the broad-based increase in May can be traced to a 1.7-percent rise in prices for processed materials less foods and energy. The indexes for processed energy goods and for processed foods and feeds also moved higher, 4.6 percent and 0.9 percent, respectively. For the 12 months ended in May, prices for processed goods for intermediate demand jumped 21.6 percent.

Product detail: One-quarter of the May increase in the index for processed goods for intermediate demand can be attributed to a 10.7-percent rise in prices for steel mill products. The indexes for utility natural gas, gasoline, diesel fuel, jet fuel, and ethanol also advanced. Conversely, prices for commercial electric power declined 1.9 percent. The indexes for primary nonferrous metals and for beef and veal also moved lower.

Unprocessed goods for intermediate demand: The index for unprocessed goods for intermediate demand climbed 6.3 percent in May, the fifth consecutive advance. Leading the May increase, prices for unprocessed energy materials rose 16.3 percent. The index for unprocessed foodstuffs and feedstuffs also moved higher, advancing 0.9 percent. In contrast, prices for unprocessed nonfood materials less energy fell 4.2 percent. For the 12 months ended in May, the index for unprocessed goods for intermediate demand surged 48.5 percent.

Product detail: A major factor in the May increase in prices for unprocessed goods for intermediate demand was the index for natural gas, which jumped 39.7 percent. Prices for raw milk, coal, slaughter steers and heifers, hay and hayseeds, and raw cotton also rose. Conversely, the index for iron and steel scrap dropped 11.8 percent. Prices for crude petroleum and for slaughter hogs also decreased.

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.)
2021										
May.....	2.8	2.6	3.3	2.7	22.3	7.9	6.8	8.3	8.8	57.8
June.....	1.7	1.6	0.8	2.0	23.0	2.1	-0.5	5.6	1.0	52.9
July.....	1.6	-0.6	3.4	1.4	23.1	3.2	-1.0	9.7	0.6	56.0
Aug.....	1.0	1.5	0.0	1.1	23.0	1.4	3.0	0.2	1.4	52.5
Sept.....	1.2	1.5	2.1	0.9	23.8	2.8	0.8	8.0	-1.8	48.5
Oct.....	2.4	-0.4	6.7	1.6	25.7	6.0	-2.2	17.7	-1.5	55.5
Nov.....	1.5	0.1	2.5	1.4	26.6	2.3	1.3	2.3	3.4	49.6
Dec.....	-0.1	0.1	-2.7	0.6	24.4	-4.8	3.8	-12.1	-1.8	40.0
2022										
Jan. ¹	2.2	2.6	4.7	1.5	24.8	3.1	2.9	4.2	1.1	36.4
Feb. ¹	1.5	2.1	5.8	0.4	23.3	10.0	5.4	18.6	1.5	33.7
Mar. ¹	2.3	2.1	7.2	0.9	22.1	2.7	7.6	-4.4	9.2	43.3
Apr. ¹	2.0	3.0	4.5	1.1	21.9	6.1	4.3	10.4	1.7	50.8
May.....	2.3	0.9	4.6	1.7	21.6	6.3	0.9	16.3	-4.2	48.5

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Services for intermediate demand: The index for services for intermediate demand moved up 0.6 percent in May, the seventh consecutive increase. Over half of the broad-based advance in May is attributable to a 0.5-percent rise in prices for services less trade, transportation, and warehousing for intermediate demand. The indexes for trade services for intermediate demand and for transportation and warehousing services for intermediate demand also moved higher, 0.6 percent and 1.0 percent, respectively. For the 12 months ended in May, prices for services for intermediate demand advanced 7.7 percent.

Product detail: Over one-third of the May rise in the index for services for intermediate demand can be traced to a 39.1-percent jump in prices for services related to securities brokerage and dealing (partial). The indexes for loan services (partial); machinery and equipment parts and supplies wholesaling; chemicals and allied products wholesaling; truck transportation of freight; and metals, minerals, and ores wholesaling also increased. In contrast, margins for fuels and lubricants retailing fell 21.7 percent. Prices for arrangement of freight and cargo transportation and for portfolio management also declined.

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

Month	Services for intermediate demand				Total, change from 12 months ago (unadj.)
	Total	Trade	Transportation and warehousing	Other	
2021					
May.....	0.6	2.2	0.8	0.1	8.4
June.....	1.2	2.5	2.0	0.6	9.3
July.....	0.6	1.1	0.7	0.4	9.5
Aug.....	0.4	1.9	0.8	-0.2	9.0
Sept.....	0.3	-1.2	2.5	0.4	8.2
Oct.....	0.0	0.6	0.5	-0.3	7.4
Nov.....	0.6	-0.6	1.0	0.9	8.1
Dec.....	0.8	1.5	1.6	0.5	8.3
2022					
Jan. ¹	0.8	1.4	0.6	0.6	7.9
Feb. ¹	0.2	1.3	0.5	-0.2	7.7
Mar. ¹	1.2	4.0	2.2	0.0	8.3
Apr. ¹	0.7	0.3	2.0	0.6	7.8
May.....	0.6	0.6	1.0	0.5	7.7

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Intermediate Demand by Production Flow

Stage 4 intermediate demand: Prices for stage 4 intermediate demand climbed 1.0 percent in May following a 0.8-percent rise in April. In May, the index for total goods inputs to stage 4 intermediate demand increased 1.3 percent, and prices for total services inputs moved up 0.7 percent. (See table D.) Advances in the indexes for steel mill products, services related to securities brokerage and dealing (partial), machinery and equipment parts and supplies wholesaling, gasoline, utility natural gas, and chemicals and allied products wholesaling outweighed decreases in prices for portfolio management; securities brokerage, dealing, and investment advice; and beef and veal. For the 12 months ended in May, the index for stage 4 intermediate demand jumped 11.5 percent.

Stage 3 intermediate demand: Prices for stage 3 intermediate demand moved up 1.8 percent in May after rising 2.5 percent in April. In May, the index for total goods inputs to stage 3 intermediate demand climbed 2.9 percent, and prices for total services inputs advanced 0.6 percent. Increases in the indexes for steel mill products; jet fuel; raw milk; diesel fuel; asphalt; and metals, minerals, and ores wholesaling outweighed falling prices for slaughter hogs, arrangement of freight and cargo transportation, and slaughter cows and bulls. For the 12 months ended in May, the index for stage 3 intermediate demand jumped 19.3 percent.

Stage 2 intermediate demand: The index for stage 2 intermediate demand rose 3.9 percent in May, the fifth straight advance. In May, prices for total goods inputs to stage 2 intermediate demand jumped 7.5 percent, while the index for total services inputs was unchanged. Increases in prices for gas fuels, ethanol, loan services (partial), steel mill products, coal, and water transportation of freight outweighed declines in the indexes for fuels and lubricants retailing, iron and steel scrap, and crude petroleum. For the 12 months ended in May, prices for stage 2 intermediate demand surged 25.6 percent, the largest rise since a 26.6-percent advance for the 12 months ended November 2021.

Stage 1 intermediate demand: The index for stage 1 intermediate demand moved up 1.6 percent in May, the same as in April. In May, prices for total goods inputs to stage 1 intermediate demand increased 2.3 percent, and the index for total services inputs rose 0.9 percent. Higher prices for steel mill products, utility natural gas, services related to securities brokerage and dealing (partial), diesel fuel, ethanol, and gasoline outweighed decreases in the indexes for iron and steel scrap; hardware, building materials, and supplies retailing; and guestroom rental. For the 12 months ended in May, prices for stage 1 intermediate demand climbed 16.1 percent.

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

Month	Stage 4 intermediate demand			Stage 3 intermediate demand			Stage 2 intermediate demand			Stage 1 intermediate demand		
	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs
2021												
May.....	1.2	2.2	0.5	2.4	3.8	0.9	3.0	6.3	0.3	2.6	3.9	1.3
June.....	1.3	1.5	1.1	1.6	1.8	1.3	2.1	3.1	1.2	1.5	1.6	1.5
July.....	1.0	1.0	1.0	1.0	1.6	0.4	2.3	4.3	0.6	1.4	2.1	0.8
Aug.....	0.7	0.9	0.6	1.0	1.6	0.4	0.7	0.9	0.5	0.8	1.3	0.5
Sept.....	0.4	0.8	0.1	1.1	1.2	1.0	2.2	3.6	0.9	0.2	0.7	-0.3
Oct.....	0.6	1.3	0.0	1.0	1.9	0.2	3.7	7.9	-0.1	1.1	2.5	-0.3
Nov.....	1.1	1.5	0.7	0.8	1.2	0.4	1.2	1.7	0.7	1.3	2.0	0.5
Dec.....	0.7	0.5	0.8	0.8	0.7	0.9	-2.2	-5.6	1.2	0.4	0.0	0.8
2022												
Jan. ¹	1.5	2.1	1.0	1.6	2.6	0.7	1.4	2.7	0.1	1.4	1.8	1.0
Feb. ¹	0.6	1.2	0.0	1.4	2.6	0.1	4.4	8.6	0.3	1.0	1.6	0.2
Mar. ¹	1.1	1.6	0.7	3.1	4.6	1.5	0.7	0.1	1.3	2.7	3.3	2.1
Apr. ¹	0.8	1.2	0.5	2.5	3.7	1.2	3.0	5.2	0.8	1.6	2.4	0.6
May.....	1.0	1.3	0.7	1.8	2.9	0.6	3.9	7.5	0.0	1.6	2.3	0.9

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

Technical Note

Brief Explanation of Producer Price Indexes

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

More than 10,000 PPIs for individual products and groups of products are released each month. PPIs are available for the products of virtually every industry in the mining and manufacturing sectors. Over time, new PPIs have been introduced for products of industries in the services and construction sectors of the U.S. economy. As of January 2018, the PPI covered 71 percent of services as measured by 2012 Census revenue, and 31 percent of construction.

More than 100,000 price quotations per month are organized into three sets of PPIs: (1) Final demand-Intermediate demand (FD-ID) indexes, (2) commodity indexes, and (3) indexes for the net output of industries and their products. The FD-ID structure organizes products by class of buyer and degree of fabrication as well as by stage of production. The commodity structure organizes products by similarity of end use or product type. The entire output of various industries is sampled to derive price indexes for the net output of industries and their products.

Final Demand–Intermediate Demand Indexes

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

Compared with finished goods under the SOP system, the PPI for final demand goods includes nearly a 50 percent expansion of coverage. This increase can be traced to the addition of government purchases and exports. For overall final demand, expansion to include final demand services represents an even larger increase in coverage. In December 2017, final demand goods were about 33 percent of overall final demand, final demand services were roughly 65.5 percent, and final demand construction was about 1.5 percent of final demand. Within intermediate demand, coverage of services for intermediate demand resulted in about a 45 percent increase in coverage of the intermediate demand portion of the economy.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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).

Price data are provided on a voluntary and confidential basis; only sworn BLS employees are allowed access to individual company price reports. BLS publishes price indexes instead of actual prices. All PPIs are subject to monthly revisions up to 4 months after original publication to reflect the availability of late reports and corrections by respondents.

BLS periodically updates the PPI sample of survey respondents to better reflect current conditions when the structure, membership, technology, or product mix of an industry shifts significantly and to spread reporting burden among smaller firms. Information on these resampling efforts are noted in the *PPI News Release* and *PPI Detailed Report* in the months they occur.

As part of an ongoing effort to expand coverage to sectors of the economy other than mining and manufacturing, an increasing number of service and construction sector industries have been introduced into the PPI. The following list of industries introduced since the mid-1990s includes the month and year in which an article describing the industry's content appeared in the *PPI Detailed Report*.

Service and construction sector industries introduced into the Producer Price Index, by SIC or NAICS code and the *PPI Detailed Report* that announces their introduction

Title	Code	<i>PPI Detailed Report Issue</i>
	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
Retail bakeries	5461	July 2000
Miscellaneous food stores	5499	July 2000

Title	Code	PPI Detailed Report Issue
SIC		
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
Internet service providers	518111	July 2005
Internet publishing and web search portals	519130	January 2010
Commercial banking	522110	January 2005
Savings institutions	522120	January 2005
Direct health and medical insurance carriers	524114	July 2004
Construction, mining, and forestry machinery and equipment rental and leasing	532412	January 2005

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

Weights

Weights for most commodity groupings of the PPI, as well as, weights for commodity-based aggregate indexes calculated from commodity groupings, such as FD-ID indexes, currently reflect 2012 values of shipments as reported in the *Census of Manufactures* and other sources. From January 2012 to December 2017, PPI weights were derived from 2007 shipment values. Industry indexes now are calculated under the 2017 NAICS structure utilizing 2012 value of shipment weights and 2007 net output ratios. The periodic update of the value weights used to calculate the PPI is done to more accurately reflect changes in production and marketing patterns in the economy.

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

Price Index Reference Base

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

later than December 1981 or for industry net output indexes and their products. The FD-ID indexes typically have a reference base of November 2009 = 100.

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

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 Persian Gulf War. In this case, intervention techniques allowed for better estimates of seasonally adjusted data. On the whole, very few series have required intervention. Out of almost 400 seasonally adjusted series, only 42 were subject to intervention in 2018.

For more information relating to seasonal adjustment methods, see “Summary of Changes to the PPI’s Seasonal Adjustment Methodology” in the January 1995 issue of *Producer Price Indexes*, and “PPI and CPI Seasonal Adjustment: an Update” in the July 2010 *Monthly Labor Review*.

Producer Price Index Data on the Internet

In 1995, the BLS began posting PPI series, news releases, and technical information to both a World Wide Web (WWW) site and a file transfer protocol (FTP) site. During the years following the introduction of PPI Internet services, use of these sites eclipsed more traditional methods of data dissemination, such as subscriptions to the *PPI Detailed*

Report. There were more than 4 million instances of PPI data and tables being downloaded from the BLS website during the 12 months ended December 31, 2017.

Retrieving PPI data from the PPI Web site

PPI data can be obtained from the WWW address (www.bls.gov/ppi). On this page, under the tab labeled “Featured PPI databases” links provide the following methods of data retrieval:

- **Top Picks** is a form-based application for both Industry Data and Commodity Data that allows the user to quickly obtain PPI time series data by selecting the high-level aggregate and other commonly requested time series, including the All Commodities Index and the FD-ID indexes (for example, Final Demand). Within each list, any one—or all—of the time series shown can be selected. A user can modify the date range and output options after executing the query, using the reformat button above the data output table.
- **One-Screen Data Search and Multi-Screen Data Search** are form-based query applications for both Industry Data and Commodity Data designed for users unfamiliar with the PPI coding structure. These applications guide a user through the PPI classification by listing index titles and do not require knowledge of commodity or industry codes. Data retrieved are based on a query formulated by selecting data characteristics from lists provided. Two options are available to create customized tables, depending on a user’s browser capability. The one-screen option is a JavaScript application that uses a single screen to guide a user through the available time series data. The second option is a multiple-screen, non-Java-based application. Both methods allow a user to browse the PPI coding structure and select multiple series. Users can modify the date range and output options after executing the query using the reformat button above the data output table.
- **Series Report** is a form-based application that allows users to input multiple, formatted PPI time series identifiers (commodity or industry codes) as inputs in extracting data according to a specified set of date ranges and output options. This application provides the most efficient path for users who are familiar with the format of PPI time series identifiers. There are five alphabetic prefixes used to create unique PPI time series identifiers: WP, WD, PC, PD, and ND. Each provides the user access to a different PPI database. Adding either a “u” (not seasonally adjusted) or an “s” (seasonally adjusted) to the end of these prefixes further specifies the type of data needed.

EXAMPLES

For commodity and FD-ID indexes, series identifiers combine a “wpu” prefix (not seasonally adjusted) or a “wps” prefix (seasonally adjusted) with a commodity code.

<u>Commodity code</u>	<u>Provides data for:</u>
wps141101	Passenger cars, seasonally adjusted
wpu141101	Passenger cars, not seasonally adjusted
wpufd4	Final demand, not seasonally adjusted
wpsid63	Services for intermediate demand, seasonally adjusted

For discontinued commodity indexes, series identifiers combine a “wdu” prefix (not seasonally adjusted) or a “wds” prefix (seasonally adjusted) with a commodity code.

<u>Commodity code</u>	<u>Provides data for:</u>
wds019	Other farm products, seasonally adjusted
wdu0635	Preparations, ethical (prescription), not seasonally adjusted
wdusi138011	Stainless steel mill products, not seasonally adjusted

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

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

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

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

Price indexes for discontinued series grouped by industry according to NAICS have identifiers that begin with the prefix “ndu”. After the prefix, there are 12

numeric digits (the 6-digit industry code is listed twice), and up to 7 additional alphanumeric characters that identify product detail. Dashes are used as placeholders for higher-level group codes.

*Industry-product code,
discontinued NAICS series*

ndu212231212231
ndu2122312122312
ndu212231212231214

Provides data for

Lead and zinc ore mining
Lead, zinc concentrates
Lead concentrates

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

Directory:

Industry Data	/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 top section of the homepage provides PPI news releases, both current and archived, as well as general PPI information. The “PPI Tables” section found beneath the statistics section provides relative importance and seasonal factor tables. The remaining sections offer special notices and publications pertaining to PPI methodology and applications.

For questions or comments regarding PPI data classification, methodology, or data availability on the Internet, call or e-mail the Section of Index Analysis and Public Information at (202) 691-7705 or ppi-info@bls.gov. If you are deaf, hard of hearing, or have a speech disability, please dial 7-1-1 to access telecommunications relay services.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² May 2021 to May 2022 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P	Apr. to May ^P
Final Demand									
Final demand.....	FD	4	100.000	10.8	1.2	1.1	1.6	0.4	0.8
Final demand goods.....	FD	41	33.128	16.6	1.6	2.2	2.4	1.3	1.4
Final demand foods.....	FD	411	5.743	13.0	1.8	1.9	2.4	1.4	0.0
Finished consumer foods ³	FD	4111	4.425	13.9	1.6	1.6	2.1	1.4	0.1
Finished consumer foods, crude.....	FD	41113	0.460	46.1	-4.6	1.2	13.5	1.6	-0.5
Finished consumer foods, processed.....	FD	41112	3.965	11.0	2.3	1.7	0.9	1.4	0.1
Government purchased foods.....	FD	4112	0.407	10.5	2.6	2.2	0.7	1.4	-0.8
Foods for export.....	FD	4113	0.911	10.5	2.4	3.1	4.7	1.7	-0.2
Final demand energy.....	FD	412	5.972	45.3	4.1	7.2	6.5	1.6	5.0
Finished consumer energy goods ³	FD	4121	4.773	39.7	3.3	6.8	5.0	-0.2	4.7
Government purchased energy.....	FD	4122	0.834	64.3	6.9	7.9	12.8	6.8	5.5
Energy for export.....	FD	4123	0.365	78.3	8.7	10.4	12.2	10.9	7.2
Final demand goods less foods and energy.....	FD	413	21.412	9.7	0.8	0.8	1.1	1.1	0.7
Finished goods less foods and energy ³	FD	4131	12.084	8.8	0.9	1.0	0.7	1.0	0.8
Finished consumer goods less foods and energy.....	FD	41311	6.448	8.4	0.7	0.9	0.7	0.8	0.9
Nondurable consumer goods less foods and energy.....	FD	413111	4.061	8.1	0.6	1.0	0.5	0.7	1.0
Durable consumer goods.....	FD	413112	2.387	8.9	0.9	0.9	0.9	1.0	0.7
Private capital equipment.....	FD	41312	5.636	9.3	1.0	1.0	0.8	1.2	0.7
Private capital equipment for manufacturing industries.....	FD	413121	1.256	12.5	1.5	1.3	1.1	1.6	1.0
Private capital equipment for nonmanufacturing industries.....	FD	413122	4.380	8.5	0.9	0.9	0.6	1.1	0.6
Government purchased goods, excluding foods and energy.....	FD	4132	2.255	10.3	1.1	0.8	1.3	0.8	1.0
Government purchased goods excluding foods, energy, and capital equipment.....	FD	41321	1.338	13.9	1.5	1.1	1.4	1.1	1.4
Government purchased capital equipment.....	FD	41322	0.917	5.4	0.6	0.2	1.2	0.2	0.5
Goods for export, excluding foods and energy.....	FD	4133	7.073	10.9	0.7	0.5	1.7	1.3	0.3
Final demand services.....	FD	42	65.132	7.6	0.9	0.5	1.2	-0.2	0.4
Final demand trade services ⁴	FD	423	20.434	13.6	1.3	1.7	1.8	-0.6	0.4
Trade of finished goods ³	FD	4231	17.549	13.3	1.3	1.6	1.8	-0.6	0.2
Trade of personal consumption goods.....	FD	42311	14.295	12.2	1.0	1.3	2.1	-0.5	0.0
Trade of private capital equipment.....	FD	42312	3.254	17.8	2.6	3.0	0.5	-1.1	1.3
Trade of government purchased goods.....	FD	4232	0.761	16.7	1.8	2.2	2.0	-0.4	1.3
Trade of government purchased goods, excluding capital equipment.....	FD	42321	0.474	15.8	1.3	1.2	3.0	0.0	1.5
Trade of government purchased capital equipment.....	FD	42322	0.287	18.2	2.5	3.8	0.3	-1.2	0.9
Trade of exports.....	FD	4233	2.124	15.4	1.2	1.9	1.5	-0.3	1.4
Final demand transportation and warehousing services.....	FD	422	4.396	23.9	0.0	2.0	5.7	2.0	2.9
Transportation of passengers for final demand.....	FD	4221	1.113	28.4	-5.4	3.4	11.0	2.4	2.9
Transportation of private passengers.....	FD	42211	0.752	28.2	-5.4	3.4	10.9	2.4	2.8
Transportation of government passengers.....	FD	42212	0.090	27.9	-5.3	3.4	10.8	2.4	2.8
Transportation of passengers for export.....	FD	42213	0.271	28.7	-5.5	3.5	11.1	2.5	2.9
Transportation and warehousing of goods for final demand.....	FD	4222	3.283	22.5	1.9	1.6	4.0	1.9	2.9
Transportation and warehousing of finished goods ³	FD	42221	2.160	23.0	1.8	1.6	4.2	1.9	2.9
Transportation and warehousing of personal consumption goods.....	FD	422211	1.734	22.7	1.8	1.6	4.1	1.8	2.9
Transportation and warehousing of private capital equipment.....	FD	422212	0.426	24.3	1.9	1.8	4.4	2.0	3.1
Transportation and warehousing of government purchased goods.....	FD	42222	0.198	20.5	1.7	0.9	3.4	2.0	2.6
Transportation and warehousing of exports.....	FD	42223	0.925	21.8	2.0	1.6	3.7	2.0	2.8
Final demand services less trade, transportation, and warehousing.....	FD	421	40.301	3.0	0.8	-0.3	0.4	-0.2	0.1
Finished services less trade, transportation, and warehousing ³	FD	4211	35.337	3.1	0.7	-0.3	0.5	-0.3	0.1
Finished consumer services less trade, transportation, and warehousing.....	FD	42111	31.663	2.5	0.6	-0.3	0.4	-0.3	-0.1
Private capital investment services less trade, transportation, and warehousing.....	FD	42112	3.674	8.9	2.1	0.0	1.1	0.3	1.4
Government purchased services less trade, transportation, and warehousing.....	FD	4212	2.482	2.8	0.8	-0.2	0.1	0.2	0.2
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....	FD	42121	2.376	2.9	0.8	-0.1	0.1	0.2	0.1
Government purchased capital investment services less trade, transportation, and warehousing.....	FD	42122	0.106	3.0	0.1	-1.1	1.0	0.1	1.5
Services for export less trade, transportation, and warehousing.....	FD	4213	2.482	2.0	0.8	-0.7	-0.4	-0.2	0.7
Final demand construction.....	FD	43	1.740	19.0	3.4	0.6	0.6	3.7	0.4
Construction for private capital investment.....	FD	431	1.133	20.5	3.7	0.6	0.6	3.8	0.5
Construction for government.....	FD	432	0.606	16.1	2.8	0.5	0.7	3.5	0.2
Special Groupings of Final Demand									
Final demand less exports.....	FD	49101	85.849	10.4	1.2	1.1	1.5	0.2	0.7
Final demand less government.....	FD	49102	92.367	10.3	1.1	1.0	1.5	0.3	0.7

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² May 2021 to May 2022 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P	Apr. to May ^P
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy ⁵	FD	49103	87.780	8.4	0.9	0.6	1.2	0.2	0.4
Final demand less foods and energy ⁵	FD	49104	88.285	8.3	0.9	0.6	1.2	0.2	0.5
Final demand less foods and food and nonalcoholic beverages for immediate consumption ⁵	FD	49105	93.752	10.8	1.1	1.1	1.6	0.3	0.8
Final demand less foods ⁵	FD	49106	94.257	10.5	1.1	1.0	1.5	0.3	0.8
Final demand less energy.....	FD	49107	94.028	8.6	1.0	0.6	1.2	0.3	0.4
Final demand less trade services.....	FD	49108	79.566	10.1	1.1	0.9	1.5	0.6	0.9
Final demand less distributive services ⁶	FD	49109	76.283	9.5	1.1	0.9	1.4	0.6	0.8
Final demand goods less energy.....	FD	49111	27.155	10.4	1.1	1.0	1.4	1.2	0.5
Final demand goods less foods.....	FD	49112	27.384	17.3	1.6	2.3	2.4	1.2	1.7
Final demand services less trade services.....	FD	49113	44.697	5.0	0.7	-0.1	0.9	0.0	0.4
Final demand distributive services ⁶	FD	49114	23.717	14.8	1.4	1.6	2.1	-0.2	0.8
Final demand goods plus final demand distributive services ⁶	FD	49115	56.844	15.9	1.5	2.0	2.3	0.6	1.2
Final demand less foods, energy, and trade services ⁵	FD	49116	67.851	6.8	0.8	0.2	1.0	0.4	0.5
Private and government purchased capital equipment.....	FD	49117	6.553	8.8	1.0	0.9	0.8	1.1	0.6
Private and government purchased capital investment services.....	FD	49118	7.747	13.5	2.3	1.5	1.0	-0.3	1.5
Total private and government purchased capital investment.....	FD	49119	14.300	12.1	1.9	1.2	0.9	0.7	1.0
Total finished ³	FD	49201	78.213	9.9	1.1	1.0	1.4	0.1	0.7
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy ^{3, 5}	FD	49202	68.515	7.9	1.0	0.5	1.1	0.1	0.4
Total finished less foods and energy ^{3, 5}	FD	49203	69.015	7.7	0.9	0.5	1.1	0.0	0.4
Total finished less foods and food and nonalcoholic beverages for immediate consumption ⁵	FD	49204	73.288	9.9	1.1	1.0	1.4	0.0	0.7
Total finished less foods ^{3, 5}	FD	49205	73.788	9.8	1.1	1.0	1.4	0.0	0.7
Total finished less energy ³	FD	49206	73.440	8.1	1.0	0.6	1.1	0.1	0.4
Finished goods ³	FD	49207	21.282	16.7	1.6	2.5	2.0	0.8	1.6
Finished goods less energy ³	FD	49208	16.509	10.2	1.1	1.1	1.1	1.1	0.6
Finished goods, excluding foods ^{3, 5}	FD	49209	16.857	17.4	1.6	2.7	2.0	0.6	2.0
Finished services ³	FD	49210	55.798	7.2	0.9	0.4	1.2	-0.3	0.3
Private capital investment services.....	FD	49211	7.354	13.5	2.3	1.4	1.0	-0.2	1.5
Finished distributive services ^{3, 6}	FD	49212	19.709	14.3	1.3	1.6	2.1	-0.3	0.5
Finished services less trade services ³	FD	49213	38.249	4.6	0.7	-0.1	0.9	-0.1	0.3
Finished services less distributive services ^{3, 6}	FD	49214	36.089	3.6	0.6	-0.2	0.7	-0.2	0.1
Total private capital investment (goods, services, and construction).....	FD	49215	14.123	12.4	1.9	1.2	0.9	0.7	1.1
Finished goods plus finished distributive services ^{3, 6}	FD	49216	40.991	15.5	1.5	2.1	2.0	0.3	1.1
Total exports.....	FD	49301	14.151	12.6	1.1	1.1	2.1	1.2	1.0
Goods for export.....	FD	49302	8.349	13.7	1.2	1.3	2.5	1.9	0.7
Services for export.....	FD	49303	5.802	11.0	0.9	0.8	1.5	0.3	1.5
Total government purchases.....	FD	49401	7.633	15.0	1.9	1.5	2.5	1.6	1.3
Government purchased goods.....	FD	49402	3.496	22.8	2.7	2.7	4.3	2.5	2.1
Government purchased services.....	FD	49403	3.531	7.2	0.9	0.5	1.0	0.2	0.6
Total government purchased capital investment (goods, services, construction).....	FD	49404	1.916	10.4	1.6	0.8	0.9	1.0	0.5
Personal consumption.....	FD	49501	64.090	9.5	0.9	1.0	1.5	0.0	0.6
Personal consumption goods (finished consumer goods).....	FD	49502	15.646	19.4	1.8	3.0	2.5	0.6	1.9
Personal consumption goods less energy.....	FD	49503	10.873	10.6	1.1	1.2	1.3	1.1	0.5
Personal consumption goods less foods.....	FD	49504	11.221	21.5	1.9	3.5	2.6	0.3	2.6
Personal consumption nondurable goods less foods.....	FD	49508	8.834	24.9	2.1	4.2	3.1	0.2	3.1
Personal consumption services.....	FD	49505	48.444	6.3	0.7	0.3	1.2	-0.3	0.1
Personal consumption less trade services.....	FD	49506	49.795	8.7	0.9	0.9	1.4	0.1	0.7
Personal consumption less distributive services ⁶	FD	49507	48.061	8.2	0.9	0.9	1.3	0.1	0.7
Personal consumption less foods and energy.....	FD	49510	54.892	6.5	0.7	0.4	1.1	-0.1	0.2
Personal consumption less foods, energy, and trade services ⁴	FD	49511	40.597	4.7	0.5	0.0	0.8	0.0	0.3
Personal consumption less foods, energy, and distributive services ⁶	FD	49512	38.863	3.9	0.5	0.0	0.6	-0.1	0.1
Personal consumption goods plus personal consumption distributive services ⁶	FD	49509	31.675	16.4	1.4	2.2	2.4	0.2	1.1
Intermediate Demand by Commodity Type									
Processed goods									
Processed goods for intermediate demand.....	ID6	1	100.000	21.6	2.2	1.5	2.3	2.0	2.3
Materials and components for manufacturing.....	ID6	11	45.927	15.9	1.1	-0.1	0.8	1.4	2.1
Materials for manufacturing.....	ID6	111	30.390	18.2	1.0	-0.5	0.7	1.8	2.7
Materials for food manufacturing.....	ID6	1111	4.084	17.4	2.7	2.2	2.1	3.9	1.0
Materials for nondurable manufacturing.....	ID6	1112	13.045	16.8	0.4	1.4	2.2	1.5	2.2
Materials for durable manufacturing.....	ID6	1113	13.261	19.9	1.1	-3.3	-1.2	1.4	3.9
Components for manufacturing.....	ID6	112	15.537	11.8	1.3	0.7	0.9	0.7	0.9
Components for nondurable manufacturing.....	ID6	1121	0.800	17.1	1.4	0.8	1.2	0.7	1.1
Components for durable manufacturing.....	ID6	1122	14.737	11.6	1.3	0.7	0.8	0.7	0.8

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² May 2021 to May 2022 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P	Apr. to May ^P
Materials and components for construction.....	ID6	12	9.074	18.2	3.2	1.8	1.9	0.6	1.1
Materials for construction.....	ID6	121	3.869	9.9	5.1	2.5	2.3	-0.8	0.7
Components for construction.....	ID6	122	5.205	25.3	1.9	1.2	1.6	1.6	1.3
Processed fuels and lubricants for intermediate demand.....	ID6	13	18.757	47.5	4.7	5.8	7.2	4.5	4.6
Processed fuels and lubricants to manufacturing industries.....	ID6	131	4.683	35.7	3.8	4.7	5.0	4.7	3.4
Processed fuels and lubricants to nonmanufacturing industries.....	ID6	132	14.074	51.6	5.0	6.1	8.0	4.4	5.0
Containers for intermediate demand.....	ID6	14	2.795	19.8	3.4	1.7	0.2	1.7	1.1
Supplies for intermediate demand.....	ID6	15	23.448	13.7	1.7	1.1	1.2	1.4	1.1
Supplies to manufacturing industries.....	ID6	151	3.227	14.8	1.3	1.0	1.2	1.3	0.8
Supplies to nonmanufacturing industries.....	ID6	152	20.221	13.5	1.7	1.1	1.3	1.4	1.1
Supplies to nonmanufacturing industries, feeds.....	ID6	1521	1.743	13.9	2.4	2.3	3.4	2.0	1.4
Supplies to nonmanufacturing industries, other than feeds.....	ID6	1522	18.478	13.5	1.6	1.0	1.0	1.4	1.1
Unprocessed goods									
Unprocessed goods for intermediate demand.....	ID6	2	100.000	48.5	3.1	10.0	2.7	6.1	6.3
Unprocessed foodstuffs and feedstuffs.....	ID6	21	32.603	29.4	2.9	5.4	7.6	4.3	0.9
Unprocessed nonfood materials.....	ID6	22	67.398	60.1	3.2	12.2	0.4	7.0	8.9
Unprocessed nonfood materials except fuel.....	ID6	221	44.822	30.2	6.9	6.4	10.0	1.8	-2.8
Unprocessed nonfood materials except fuel to manufacturing industries.....	ID6	2211	42.852	31.2	7.1	6.7	10.4	1.9	-2.9
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	ID6	2212	1.970	8.5	2.6	1.1	0.8	0.9	0.5
Unprocessed fuel.....	ID6	222	22.576	149.9	-4.2	25.1	-17.6	20.2	33.8
Unprocessed fuel to manufacturing industries.....	ID6	2221	1.143	82.8	11.3	8.7	-4.7	18.4	13.6
Unprocessed fuel to nonmanufacturing industries.....	ID6	2222	21.433	154.8	-5.0	26.2	-18.3	20.3	35.1
Services									
Services for intermediate demand.....	ID6	3	100.000	7.7	0.8	0.2	1.2	0.7	0.6
Trade services for intermediate demand ⁴	ID6	33	22.377	14.0	1.4	1.3	4.0	0.3	0.6
Trade services for manufacturing industries.....	ID6	331	11.472	14.6	0.6	0.4	2.6	0.8	1.5
Trade services for nonmanufacturing industries.....	ID6	332	10.905	13.5	2.3	2.1	5.3	-0.2	-0.2
Transportation and warehousing services for intermediate demand.....	ID6	32	13.264	16.5	0.6	0.5	2.2	2.0	1.0
Transportation of passengers for intermediate demand.....	ID6	321	0.984	27.8	-5.3	3.4	10.8	2.4	2.8
Transportation of passengers for manufacturing industries.....	ID6	3211	0.116	28.7	-5.5	3.5	11.1	2.5	2.9
Transportation of passengers for nonmanufacturing industries.....	ID6	3212	0.868	27.8	-5.3	3.4	10.7	2.4	2.8
Transportation and warehousing of goods for intermediate demand.....	ID6	322	12.280	15.6	1.0	0.3	1.6	2.0	0.8
Transportation and warehousing of goods for manufacturing industries.....	ID6	3221	2.498	19.5	1.4	1.2	2.9	2.3	3.2
Transportation and warehousing of goods for nonmanufacturing industries.....	ID6	3222	9.782	14.6	0.9	0.1	1.2	1.9	0.2
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	64.359	4.0	0.6	-0.2	0.0	0.6	0.5
Services less trade, transportation, and warehousing for manufacturing industries.....	ID6	311	2.040	6.0	0.6	0.6	0.9	0.8	0.1
Services less trade, transportation, and warehousing for nonmanufacturing industries.....	ID6	312	62.318	3.9	0.6	-0.3	0.0	0.6	0.6
Construction									
Construction for intermediate demand.....	ID6	4	100.000	14.9	2.2	1.1	1.2	2.2	0.6
Special Groupings of Intermediate Demand by Commodity Type									
Processed materials less foods and feeds.....	ID6	9111	92.100	22.1	2.1	1.5	2.3	1.9	2.4
Processed foods and feeds.....	ID6	9112	7.900	15.2	2.6	2.1	2.1	3.0	0.9
Processed energy goods.....	ID6	9113	18.757	47.5	4.7	5.8	7.2	4.5	4.6
Processed materials less energy.....	ID6	9118	81.243	15.7	1.6	0.5	1.0	1.3	1.7
Processed materials less foods and energy.....	ID6	9115	73.343	15.7	1.5	0.4	0.9	1.1	1.7
Intermediate distributive services ⁷	ID6	9116	34.657	14.5	1.3	0.9	3.1	0.9	0.7
Processed goods plus intermediate distributive services.....	ID6	9117	-	19.5	1.9	1.4	2.5	1.7	1.8
Unprocessed materials less agricultural products.....	ID6	9211	62.340	67.1	3.1	13.2	-0.7	7.5	10.0
Unprocessed energy materials ⁸	ID6	9212	42.130	101.0	4.2	18.6	-4.4	10.4	16.3
Unprocessed materials less energy.....	ID6	9213	57.870	21.6	2.0	3.9	8.4	3.3	-1.3
Unprocessed nonfood materials less energy ⁹	ID6	9216	25.267	10.5	1.1	1.5	9.2	1.7	-4.2
Intermediate Demand by Production Flow									
Stage 4 Intermediate Demand									
Stage 4 intermediate demand.....	ID5	4	100.000	11.5	1.5	0.6	1.1	0.8	1.0
Inputs to stage 4 goods producers.....	ID5	41	32.865	14.3	1.4	0.7	1.4	1.1	1.3
Goods.....	ID5	411	23.183	14.5	1.5	0.6	1.2	1.4	1.4
Foods.....	ID5	4111	3.188	16.6	1.6	2.5	5.2	2.8	1.2
Energy.....	ID5	4112	0.189	39.7	0.8	6.4	3.5	3.2	4.4

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² May 2021 to May 2022 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P	Apr. to May ^P
Goods excluding foods and energy.....	ID5	4113	19.806	13.9	1.5	0.2	0.5	1.2	1.4
Services.....	ID5	412	9.682	14.0	1.2	0.9	1.7	0.2	1.2
Trade services.....	ID5	4123	7.732	15.5	1.3	1.0	1.8	0.1	1.3
Transportation and warehousing services.....	ID5	4122	0.475	17.4	0.3	1.1	3.5	2.2	2.4
Transportation of passengers.....	ID5	41221	0.066	28.7	-5.5	3.5	11.1	2.5	2.9
Transportation and warehousing of goods.....	ID5	41222	0.409	15.7	1.2	0.7	2.3	2.1	2.4
Services less trade, transportation, and warehousing.....	ID5	4121	1.475	5.3	1.1	0.2	0.8	0.5	0.1
Inputs to stage 4 services producers.....	ID5	42	52.483	7.8	1.2	0.1	0.5	0.7	0.7
Goods.....	ID5	421	13.894	14.4	2.2	1.2	1.5	1.2	0.9
Foods.....	ID5	4211	2.353	10.9	1.6	2.0	1.3	1.4	-0.5
Energy.....	ID5	4212	3.737	23.0	4.0	1.4	2.5	1.9	2.0
Goods excluding foods and energy.....	ID5	4213	7.804	11.3	1.5	0.9	1.0	0.9	0.8
Services.....	ID5	422	38.503	5.5	0.9	-0.3	0.1	0.5	0.6
Trade services.....	ID5	4223	4.524	14.8	1.0	1.2	2.5	-0.1	1.5
Transportation and warehousing services.....	ID5	4222	3.277	14.9	0.9	-0.4	2.1	2.2	0.3
Transportation of passengers.....	ID5	42221	0.421	28.5	-5.4	3.5	11.0	2.5	2.9
Transportation and warehousing of goods.....	ID5	42222	2.856	13.0	1.9	-0.9	0.8	2.2	-0.1
Services less trade, transportation, and warehousing.....	ID5	4221	30.702	3.2	0.8	-0.5	-0.4	0.5	0.5
Construction.....	ID5	423	0.086	14.9	2.2	1.1	1.2	2.2	0.6
Inputs to stage 4 construction producers.....	ID5	43	14.650	18.8	2.9	2.1	2.9	0.7	1.5
Goods.....	ID5	431	10.502	21.6	3.2	2.6	2.5	0.7	1.7
Energy.....	ID5	4312	0.844	67.5	3.6	12.3	8.7	1.8	7.0
Goods excluding foods and energy.....	ID5	4313	9.658	17.6	3.2	1.7	1.9	0.5	1.1
Services.....	ID5	432	4.148	12.1	2.2	0.9	3.8	0.7	0.9
Trade services.....	ID5	4323	2.051	14.5	2.8	1.1	5.8	0.6	0.7
Transportation and warehousing services.....	ID5	4322	0.612	22.6	1.6	1.6	4.3	1.9	2.8
Transportation of passengers.....	ID5	43221	0.013	28.6	-5.4	3.5	11.1	2.5	2.9
Transportation and warehousing of goods.....	ID5	43222	0.599	22.5	1.8	1.6	4.2	1.9	2.8
Services less trade, transportation, and warehousing.....	ID5	4321	1.485	4.8	1.8	0.2	0.7	0.3	0.3
Stage 3 Intermediate Demand									
Stage 3 intermediate demand.....	ID5	3	100.000	19.3	1.6	1.4	3.1	2.5	1.8
Inputs to stage 3 goods producers.....	ID5	31	49.802	22.5	1.6	1.2	3.0	2.9	2.4
Goods.....	ID5	311	40.208	24.2	1.8	1.4	2.9	3.2	2.5
Foods.....	ID5	3111	11.423	33.4	4.1	5.1	7.8	5.8	1.2
Energy.....	ID5	3112	1.551	63.0	0.3	5.6	6.7	10.8	8.7
Goods excluding foods and energy.....	ID5	3113	27.234	18.5	0.9	-0.4	0.4	1.3	2.7
Services.....	ID5	312	9.594	15.5	0.5	0.0	3.7	2.1	1.8
Trade services.....	ID5	3123	5.774	14.5	0.0	-0.7	4.3	2.1	1.4
Transportation and warehousing services.....	ID5	3122	2.538	22.0	1.3	1.5	3.7	2.4	3.4
Transportation of passengers.....	ID5	31221	0.120	28.7	-5.5	3.5	11.1	2.5	2.9
Transportation and warehousing of goods.....	ID5	31222	2.418	21.7	1.7	1.4	3.3	2.4	3.4
Services less trade, transportation, and warehousing.....	ID5	3121	1.282	7.8	1.2	0.5	1.1	1.0	0.3
Inputs to stage 3 services producers.....	ID5	32	48.823	16.2	1.6	1.6	3.0	2.2	1.3
Goods.....	ID5	321	10.251	51.5	5.4	7.1	10.5	5.6	4.2
Foods.....	ID5	3211	0.088	9.9	2.7	1.4	1.4	1.3	-0.6
Energy.....	ID5	3212	6.099	78.1	8.0	10.7	15.6	8.0	5.7
Goods excluding foods and energy.....	ID5	3213	4.064	14.1	1.5	1.4	1.8	0.9	1.2
Services.....	ID5	322	37.657	7.2	0.6	0.0	0.8	1.0	0.4
Trade services.....	ID5	3223	2.600	16.8	1.5	0.4	5.2	0.8	1.5
Transportation and warehousing services.....	ID5	3222	8.909	12.6	0.4	0.0	0.9	1.7	-0.5
Transportation of passengers.....	ID5	32221	0.022	2.1	-0.5	0.2	0.4	0.9	0.2
Transportation and warehousing of goods.....	ID5	32222	8.887	12.7	0.4	0.0	0.9	1.7	-0.5
Services less trade, transportation, and warehousing.....	ID5	3221	26.148	4.5	0.5	-0.1	0.3	0.8	0.5
Construction.....	ID5	323	0.915	14.9	2.2	1.1	1.2	2.2	0.6
Inputs to stage 3 construction producers.....	ID5	33	1.376	11.0	6.1	4.0	5.4	-1.3	0.0
Goods.....	ID5	331	0.574	15.3	4.8	2.2	2.5	-0.4	1.0
Goods excluding foods and energy.....	ID5	3313	0.574	15.3	4.8	2.2	2.5	-0.4	1.0
Services.....	ID5	332	0.802	8.4	7.0	5.2	7.4	-1.9	-0.7
Trade services.....	ID5	3323	0.760	8.3	7.4	5.5	7.7	-2.1	-0.8
Transportation and warehousing services.....	ID5	3322	0.015	16.4	0.8	0.2	0.5	3.7	4.4
Transportation and warehousing of goods.....	ID5	33222	0.015	16.4	0.8	0.2	0.5	3.7	4.4
Services less trade, transportation, and warehousing.....	ID5	3321	0.027	8.9	-0.3	0.9	1.2	1.2	0.5
Stage 2 Intermediate Demand									
Stage 2 intermediate demand.....	ID5	2	100.000	25.6	1.4	4.4	0.7	3.0	3.9
Inputs to stage 2 goods producers.....	ID5	21	55.017	41.1	2.3	7.6	0.3	4.7	6.7

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² May 2021 to May 2022 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P	Apr. to May ^P
Goods.....	ID5	211	42.903	50.6	2.8	9.5	-0.1	5.6	8.1
Foods.....	ID5	2111	3.172	9.4	4.3	5.1	4.8	2.0	0.7
Energy.....	ID5	2112	20.215	100.9	4.6	18.2	-3.6	9.7	15.8
Goods excluding foods and energy.....	ID5	2113	19.516	15.9	0.8	0.8	3.5	1.5	-0.3
Services.....	ID5	212	11.646	10.8	0.2	0.8	1.9	1.1	0.8
Trade services.....	ID5	2123	5.347	12.6	0.0	1.5	3.2	0.6	-0.1
Transportation and warehousing services.....	ID5	2122	3.332	11.8	0.3	0.3	0.9	2.2	2.4
Transportation of passengers.....	ID5	21221	0.156	26.7	-5.1	3.2	10.4	2.4	2.7
Transportation and warehousing of goods.....	ID5	21222	3.176	11.2	0.6	0.2	0.4	2.2	2.4
Services less trade, transportation, and warehousing.....	ID5	2121	2.967	6.5	0.3	0.1	0.6	1.0	0.7
Construction.....	ID5	213	0.468	14.9	2.2	1.1	1.2	2.2	0.6
Inputs to stage 2 services producers.....	ID5	22	44.982	8.3	0.3	0.3	1.2	0.8	0.1
Goods.....	ID5	221	5.753	17.4	1.2	1.2	1.4	1.5	1.8
Foods.....	ID5	2211	0.032	16.7	2.7	3.1	2.9	1.3	0.9
Energy.....	ID5	2212	0.393	60.4	1.6	6.7	1.9	5.8	10.5
Goods excluding foods and energy.....	ID5	2213	5.328	14.6	1.2	0.8	1.4	1.2	1.2
Services.....	ID5	222	37.664	6.7	0.0	0.2	1.1	0.7	-0.2
Trade services.....	ID5	2223	2.497	17.8	-2.4	2.1	10.6	1.0	-7.6
Transportation and warehousing services.....	ID5	2222	3.167	21.4	-1.7	1.2	1.4	2.0	-1.8
Transportation of passengers.....	ID5	22221	0.356	28.4	-5.4	3.4	11.0	2.5	2.9
Transportation and warehousing of goods.....	ID5	22222	2.811	20.4	-1.2	1.0	0.3	1.9	-2.4
Services less trade, transportation, and warehousing.....	ID5	2221	32.000	4.7	0.4	-0.1	0.4	0.5	0.6
Construction.....	ID5	223	1.565	14.9	2.2	1.1	1.2	2.2	0.6
Stage 1 Intermediate Demand									
Stage 1 intermediate demand.....	ID5	1	100.000	16.1	1.4	1.0	2.7	1.6	1.6
Inputs to stage 1 goods producers.....	ID5	11	35.307	18.9	0.4	0.1	2.6	2.0	2.5
Goods.....	ID5	111	25.965	21.8	0.5	0.3	2.5	2.2	2.8
Foods.....	ID5	1111	3.181	12.1	1.3	2.3	8.6	2.4	0.4
Energy.....	ID5	1112	3.712	41.1	1.0	3.7	0.2	5.4	7.9
Goods excluding foods and energy.....	ID5	1113	19.072	20.2	0.3	-0.7	1.9	1.5	2.2
Services.....	ID5	112	9.341	11.3	0.0	-0.4	2.7	1.3	1.6
Trade services.....	ID5	1123	6.053	13.3	-0.6	-0.4	3.8	1.7	1.5
Transportation and warehousing services.....	ID5	1122	0.488	25.2	-0.4	0.4	1.9	4.8	6.6
Transportation of passengers.....	ID5	11221	0.084	28.7	-5.5	3.5	11.1	2.5	2.9
Transportation and warehousing of goods.....	ID5	11222	0.404	24.5	0.6	-0.2	0.0	5.4	7.4
Services less trade, transportation, and warehousing.....	ID5	1121	2.800	4.8	1.5	-0.5	0.7	-0.1	1.0
Construction.....	ID5	113	0.001	14.9	2.2	1.1	1.2	2.2	0.6
Inputs to stage 1 services producers.....	ID5	12	51.790	13.6	1.4	1.0	2.3	1.5	1.2
Goods.....	ID5	121	17.196	26.9	3.2	3.1	4.4	3.0	2.0
Foods.....	ID5	1211	0.051	123.2	2.2	3.0	2.0	81.8	7.7
Energy.....	ID5	1212	5.758	48.7	5.7	6.9	10.2	5.1	3.1
Goods excluding foods and energy.....	ID5	1213	11.387	15.6	2.0	1.2	1.1	1.4	1.2
Services.....	ID5	122	34.589	7.2	0.6	-0.1	1.2	0.6	0.8
Trade services.....	ID5	1223	3.797	16.3	1.7	0.9	4.5	0.3	1.0
Transportation and warehousing services.....	ID5	1222	3.611	18.8	-0.8	1.1	4.6	1.8	1.9
Transportation of passengers.....	ID5	12221	1.098	28.7	-5.5	3.5	11.1	2.5	2.9
Transportation and warehousing of goods.....	ID5	12222	2.513	14.7	1.3	0.1	1.8	1.5	1.4
Services less trade, transportation, and warehousing.....	ID5	1221	27.181	4.6	0.6	-0.4	0.3	0.5	0.6
Construction.....	ID5	123	0.005	14.9	2.2	1.1	1.2	2.2	0.6
Inputs to stage 1 construction producers.....	ID5	13	12.903	18.4	4.0	3.2	4.6	1.0	0.8
Goods.....	ID5	131	8.482	23.0	3.0	2.6	3.4	2.1	1.3
Energy.....	ID5	1312	0.827	75.2	8.2	11.6	18.5	8.3	3.0
Goods excluding foods and energy.....	ID5	1313	7.655	17.5	2.5	1.6	1.6	1.2	1.0
Services.....	ID5	132	4.421	10.8	6.0	4.2	6.8	-1.1	0.0
Trade services.....	ID5	1323	3.756	8.8	6.7	4.6	7.2	-1.6	-0.5
Transportation and warehousing services.....	ID5	1322	0.609	25.9	2.0	1.9	4.8	1.9	3.2
Transportation and warehousing of goods.....	ID5	13222	0.609	25.9	2.0	1.9	4.8	1.9	3.2
Services less trade, transportation, and warehousing.....	ID5	1321	0.056	4.6	0.3	1.5	0.4	0.2	0.4
Special Groupings of Intermediate Demand by Production Flow									
Total goods inputs to stage 4 intermediate demand.....	ID5	9411	47.579	16.0	2.1	1.2	1.6	1.2	1.3
Total services inputs to stage 4 intermediate demand.....	ID5	9412	52.333	7.5	1.0	0.0	0.7	0.5	0.7
Total construction inputs to stage 4 intermediate demand.....	ID5	9413	0.086	14.9	2.2	1.1	1.2	2.2	0.6
Total foods inputs to stage 4 intermediate demand.....	ID5	9414	5.541	14.2	1.6	2.3	3.6	2.2	0.5
Total energy goods inputs to stage 4 intermediate demand.....	ID5	9415	4.770	31.5	3.8	3.6	3.8	1.9	3.1
Total goods less foods and energy inputs to stage 4 intermediate demand.....	ID5	9416	37.268	14.3	1.9	0.8	1.0	0.9	1.2

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² May 2021 to May 2022 ^p	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Dec. to Jan.	Jan. to Feb. ^p	Feb. to Mar. ^p	Mar. to Apr. ^p	Apr. to May ^p
Total goods inputs to stage 3 intermediate demand.....	ID5	9311	51.033	29.7	2.6	2.6	4.6	3.7	2.9
Total services inputs to stage 3 intermediate demand.....	ID5	9312	48.053	8.9	0.7	0.1	1.5	1.2	0.6
Total construction inputs to stage 3 intermediate demand.....	ID5	9313	0.915	14.9	2.2	1.1	1.2	2.2	0.6
Total foods inputs to stage 3 intermediate demand.....	ID5	9314	11.511	33.2	4.1	5.1	7.8	5.8	1.2
Total energy goods inputs to stage 3 intermediate demand.....	ID5	9315	7.650	75.0	6.4	9.7	14.0	8.5	6.2
Total goods less foods and energy inputs to stage 3 intermediate demand.....	ID5	9316	31.872	17.8	1.1	-0.1	0.6	1.3	2.5
Total goods inputs to stage 2 intermediate demand.....	ID5	9211	48.656	46.7	2.7	8.6	0.1	5.2	7.5
Total services inputs to stage 2 intermediate demand.....	ID5	9212	49.310	7.7	0.1	0.3	1.3	0.8	0.0
Total construction inputs to stage 2 intermediate demand.....	ID5	9213	2.033	14.9	2.2	1.1	1.2	2.2	0.6
Total foods inputs to stage 2 intermediate demand.....	ID5	9214	3.204	9.5	4.2	5.1	4.8	2.0	0.7
Total energy goods inputs to stage 2 intermediate demand.....	ID5	9215	20.608	100.1	4.5	18.0	-3.5	9.6	15.7
Total goods less foods and energy inputs to stage 2 intermediate demand.....	ID5	9216	24.844	15.6	0.9	0.8	3.1	1.4	0.0
Total goods inputs to stage 1 intermediate demand.....	ID5	9111	51.643	23.7	1.8	1.6	3.3	2.4	2.3
Total services inputs to stage 1 intermediate demand.....	ID5	9112	48.351	8.3	1.0	0.2	2.1	0.6	0.9
Total construction inputs to stage 1 intermediate demand.....	ID5	9117	0.006	14.9	2.2	1.1	1.2	2.2	0.6
Total foods inputs to stage 1 intermediate demand.....	ID5	9114	3.232	13.6	1.3	2.3	8.5	3.6	0.6
Total energy goods inputs to stage 1 intermediate demand.....	ID5	9115	10.297	48.2	4.2	6.2	7.5	5.5	4.6
Total goods less foods and energy inputs to stage 1 intermediate demand.....	ID5	9116	38.114	18.2	1.2	0.3	1.6	1.4	1.7

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
[May 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2021 to May 2022 ^P	Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P
Final Demand								
Final demand.....	FD	4	10.8	1.2	1.1	1.6	0.4	0.8
Final demand goods.....	FD	41	16.6	1.6	2.2	2.4	1.3	1.4
Final demand foods.....	FD	411	13.0	1.8	1.9	2.4	1.4	0.0
Fresh fruits and melons ²	01	11	18.5	4.2	4.5	-8.0	8.3	-1.1
Fresh and dry vegetables ²	01	13	41.7	-3.5	-9.3	42.4	-26.6	3.5
Grains.....	01	2	12.9	0.4	1.9	16.0	3.7	0.7
Eggs for fresh use ²	01	7107	184.6	-17.6	31.3	-14.3	82.0	-0.3
Oilseeds.....	01	8301	-1.1	8.7	9.3	5.6	1.3	-0.6
Bakery products ²	02	11	11.2	2.3	2.3	0.4	0.9	0.9
Milled rice ²	02	13	16.6	0.6	4.2	0.7	0.8	2.7
Pasta products ²	02	1402	24.3	2.2	2.7	0.4	2.5	0.7
Beef and veal.....	02	2101	-14.2	6.5	-3.6	-7.3	-2.6	-9.5
Pork.....	02	2104	-5.2	-2.6	4.0	4.0	3.5	-7.6
Processed young chickens.....	02	2203	20.6	0.2	2.0	0.7	-0.6	4.6
Processed turkeys.....	02	2206	50.0	5.8	5.4	0.9	3.4	6.0
Finfish and shellfish.....	02	23	19.0	-9.3	-2.1	1.1	2.0	-2.0
Dairy products.....	02	3	20.1	5.3	3.7	3.3	2.9	1.0
Processed fruits and vegetables ²	02	4	10.1	1.1	0.9	1.0	1.2	2.2
Confectionery end products ²	02	55	7.3	0.9	0.4	0.8	0.4	0.5
Soft drinks ²	02	62	9.5	3.1	0.6	0.1	1.2	-1.8
Roasted coffee ²	02	6301	13.8	1.0	8.7	0.8	-0.2	0.9
Shortening and cooking oils ²	02	78	33.2	3.2	7.5	7.5	1.6	4.4
Frozen specialty food ²	02	85	14.8	1.1	5.1	1.9	1.9	0.7
Final demand energy.....	FD	412	45.3	4.1	7.2	6.5	1.6	5.0
Liquefied petroleum gas ²	05	32	99.6	16.8	7.9	15.0	-1.7	4.0
Residential electric power.....	05	41	10.4	2.4	0.0	2.3	0.9	0.4
Residential natural gas.....	05	51	29.5	0.4	2.0	0.0	3.4	6.2
Gasoline.....	05	71	66.3	3.3	14.4	5.7	-3.0	8.4
Home heating oil and distillates.....	05	7302	116.8	15.2	7.6	23.8	3.8	10.6
No. 2 diesel fuel.....	05	7303	84.9	9.9	14.2	21.6	8.4	2.7
Final demand goods less foods and energy.....	FD	413	9.7	0.8	0.8	1.1	1.1	0.7
Alcoholic beverages.....	02	61	4.4	0.4	0.9	1.1	1.1	-0.1
Pet food ²	02	9402	13.3	1.0	1.9	0.2	0.3	3.3
Women's, girls', and infants' apparel ²	03	8106	2.5	0.2	0.0	-0.1	0.1	0.4
Men's and boys' apparel ²	03	8107	5.7	1.9	1.2	0.1	0.5	0.1
Textile housefurnishings ²	03	82	7.2	1.1	-1.9	0.1	1.9	-0.1
Footwear.....	04	3	7.4	0.1	-0.2	0.5	0.6	1.6
Industrial chemicals.....	06	1	18.4	0.0	1.7	3.4	0.6	2.9
Pharmaceutical preparations.....	06	38	1.4	-0.5	0.5	0.2	0.2	0.1
Soaps and detergents ²	06	71	11.5	3.0	1.1	0.6	0.5	2.1
Cleaning and polishing products ²	06	72	7.9	1.0	1.0	0.4	0.2	0.7
Cosmetics and other toiletries ²	06	75	5.0	1.2	2.3	0.0	0.1	0.4
Tires ²	07	1201	15.3	3.6	1.1	0.1	3.3	0.7
Consumer, institutional, and commercial products, n.e.c. ²	07	2B	28.0	0.5	3.1	1.1	1.7	2.3
Sanitary paper products ²	09	1501	9.1	0.7	0.8	1.0	0.3	2.1
Iron and steel scrap ²	10	12	14.8	-6.7	-0.4	25.5	-0.5	-11.8
Agricultural machinery and equipment.....	11	1	18.5	0.4	1.9	0.7	3.0	0.5
Construction machinery and equipment ²	11	2	11.5	0.3	0.6	0.3	2.7	0.3
Metal cutting machine tools ²	11	37	4.9	0.7	0.7	0.0	0.0	0.9
Metal forming machine tools.....	11	38	4.9	-0.4	0.0	0.1	0.5	2.6
Tools, dies, jigs, fixtures, and industrial molds ²	11	39	9.3	0.9	0.6	1.1	1.5	0.9
Pumps, compressors, and equipment.....	11	41	15.4	1.6	2.6	0.9	1.4	2.3
Industrial material handling equipment ²	11	44	16.2	1.2	0.6	0.6	2.6	0.8
Electronic computers and computer equipment ²	11	5	7.0	2.3	0.9	0.9	0.1	0.5
Textile machinery and equipment ²	11	62	6.4	5.4	0.1	0.0	0.0	0.0
Paper industries machinery ²	11	64	8.5	0.7	0.5	0.4	1.0	0.6
Printing trades machinery and equipment ²	11	65	6.5	0.2	0.2	-0.2	0.4	0.2
Transformers and power regulators ²	11	74	37.9	0.6	0.4	6.3	3.1	2.1
Communication and related equipment.....	11	76	5.1	0.4	0.2	-0.1	0.4	0.6
Electronic components and accessories.....	11	78	3.1	1.6	0.1	0.5	-1.0	0.3
X-ray and electromedical equipment ²	11	7905	2.2	0.6	0.6	0.0	0.0	1.0
Oil field and gas field machinery ²	11	91	6.7	2.2	0.0	0.0	0.0	1.0
Mining machinery and equipment ²	11	92	21.3	0.2	0.3	2.4	4.8	1.2
Office and store machines and equipment ²	11	93	2.8	0.0	0.0	0.0	0.0	0.8

See footnotes at end of table.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued
 [May 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2021 to May 2022 ^P	Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P
Household furniture ²	12	1	12.8	0.8	0.5	1.5	0.4	1.1
Commercial furniture ²	12	2	13.7	1.9	1.7	1.8	0.2	0.9
Floor coverings ²	12	3	2.3	-4.4	0.1	0.3	0.7	1.7
Household appliances ²	12	4	15.5	1.4	0.7	0.6	3.6	1.2
Home electronic equipment ²	12	5	12.1	1.1	0.8	1.4	0.0	0.2
Lawn and garden equipment excl. garden tractors ²	12	66	9.8	0.6	0.9	0.1	1.7	1.8
Passenger cars.....	14	1101	3.4	0.2	0.6	0.3	0.7	0.5
Light motor trucks.....	14	1105	4.7	0.6	1.0	0.7	1.3	0.2
Heavy motor trucks ²	14	1106	1.2	0.4	0.0	0.0	0.0	0.2
Motor vehicles parts ²	14	12	4.9	0.7	0.2	0.2	0.7	0.2
Truck trailers ²	14	14	38.3	4.8	6.2	0.6	1.7	0.4
Travel trailers and campers ²	14	16	21.2	2.3	0.0	0.5	1.2	1.1
Aircraft.....	14	21	4.5	0.4	0.4	1.5	0.4	0.3
Ships ²	14	31	6.5	1.4	-0.1	0.1	-0.2	1.3
Railroad equipment ²	14	4	2.4	0.6	0.0	0.0	0.0	0.1
Toys, games, and children's vehicles ²	15	11	5.0	3.1	0.0	-0.2	0.0	0.0
Sporting and athletic goods.....	15	12	17.7	3.6	2.0	0.0	0.1	2.5
Cigarettes ²	15	21	11.1	0.8	0.4	0.0	0.8	2.6
Mobile homes ²	15	5	21.5	2.9	2.5	3.0	0.6	0.7
Medical, surgical & personal aid devices.....	15	6	2.9	1.5	0.7	0.8	0.4	-0.2
Jewelry, platinum and karat gold ²	15	9402	9.2	0.7	1.5	5.5	0.7	2.0
Costume jewelry and novelties ²	15	9404	7.7	0.0	6.1	0.0	0.0	0.0
Final demand services.....	FD	42	7.6	0.9	0.5	1.2	-0.2	0.4
Final demand trade services ³	FD	423	13.6	1.3	1.7	1.8	-0.6	0.4
Machinery and equipment parts and supplies wholesaling ²	57	1102	16.8	2.1	1.7	0.2	-1.2	1.4
Machinery and vehicle wholesaling ²	57	1103	23.4	3.3	5.6	-0.4	-0.9	0.7
Professional and commercial equipment wholesaling ²	57	1104	1.4	0.3	-1.9	2.7	-2.9	1.5
Furnishings wholesaling ²	57	2	30.6	1.7	-0.9	2.3	0.4	3.2
Chemicals and allied products wholesaling ²	57	5	5.7	-4.1	1.3	0.3	1.0	3.7
Paper and plastics products wholesaling ²	57	6	23.1	3.0	0.4	6.2	3.3	0.6
Apparel wholesaling ²	57	7	2.8	-2.5	1.0	4.0	-0.3	-3.8
Food and alcohol wholesaling ²	57	8	10.2	0.6	2.3	2.8	-0.7	-0.5
Food and alcohol retailing.....	58	1	11.8	1.1	2.1	0.1	-0.6	1.2
Health, beauty, and optical goods retailing ²	58	2	3.9	2.6	1.3	-4.7	-1.7	1.2
Apparel, jewelry, footwear, and accessories retailing.....	58	3	6.9	1.2	-2.1	-0.6	-1.4	2.7
Computer hardware, software, and supplies retailing ²	58	4	7.8	5.8	0.8	0.6	2.5	-0.6
TV, video, and photographic equipment and supplies retailing ²	58	5	-10.9	3.4	4.0	-1.1	3.2	-4.5
Automobiles retailing (partial).....	58	6101	48.4	0.2	2.3	-3.0	-0.3	3.3
Automotive parts, including tires, retailing ²	58	6102	15.6	1.2	0.6	1.8	1.0	2.3
RVs, trailers, and campers retailing ²	58	8	24.9	3.7	-5.0	0.6	-6.1	1.7
Sporting goods, including boats, retailing.....	58	9	1.7	-1.7	1.3	1.8	-3.3	1.2
Lawn, garden, and farm equipment and supplies retailing ²	58	A	20.7	0.7	1.3	-0.5	2.2	5.5
Furniture retailing ²	58	B	31.2	2.1	1.7	4.4	-2.1	3.6
Flooring and floor coverings retailing ²	58	C	8.1	17.9	-0.3	-0.4	-13.5	0.0
Hardware, building materials, and supplies retailing.....	58	D	3.9	10.9	9.1	10.5	-3.7	-2.1
Major household appliances retailing.....	58	E	11.5	8.7	0.2	-1.5	4.4	-1.5
Fuels and lubricants retailing.....	58	F	21.1	-10.4	3.7	26.5	3.0	-21.7
Cleaning supplies and paper products retailing ²	58	G	11.6	2.5	0.2	0.6	4.7	0.3
Book retailing ²	58	H	4.8	9.7	-3.0	2.0	-0.3	0.0
Final demand transportation and warehousing services.....	FD	422	23.9	0.0	2.0	5.7	2.0	2.9
Rail transportation of freight and mail ²	30	11	11.7	0.9	0.3	0.7	2.7	2.7
Truck transportation of freight ²	30	12	25.8	2.1	2.1	5.1	1.7	2.9
Air transportation of freight ²	30	14	11.5	0.1	-2.8	2.0	2.0	-0.7
Courier, messenger, and U.S. postal services.....	30	16	10.8	1.3	-0.1	1.0	1.3	1.2
Rail transportation of passengers.....	30	21	1.2	-0.3	0.1	0.0	0.8	0.1
Airline passenger services.....	30	22	28.8	-5.5	3.5	11.1	2.5	2.9
Final demand services less trade, transportation, and warehousing.....	FD	421	3.0	0.8	-0.3	0.4	-0.2	0.1
Sales of books ²	33	11	6.3	0.9	2.2	0.5	0.1	0.8
Sales and subscriptions of periodicals and newspapers.....	33	12	1.0	0.3	-0.8	0.0	-0.6	0.3
Application software publishing ²	34	2	2.6	1.1	-4.3	3.2	-0.4	2.0
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-0.6	1.3	-2.0	1.5	-1.0	0.5
Residential wired telecommunication services.....	37	11	0.7	0.1	-0.4	-0.2	0.0	0.5
Wireless telecommunication services.....	37	2	0.2	-0.2	0.7	-0.1	-0.1	0.0
Cable and satellite subscriber services.....	37	3	2.8	1.7	-0.2	0.3	0.1	0.5
Internet access services ²	37	4	-0.4	0.0	0.0	0.0	-0.1	-0.3

See footnotes at end of table.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued
 [May 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2021 to May 2022 ^P	Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P
Bundled wired telecommunications access services ²	37	5	5.1	0.2	0.0	0.1	0.0	0.0
Consumer loans (partial).....	39	12	-1.3	-0.2	-2.2	1.1	1.7	-1.2
Deposit services (partial) ²	39	2	-5.1	1.1	-0.6	-5.1	-1.1	-0.2
Other credit intermediation, incl. trust services (partial) ²	39	3	-1.7	0.3	1.2	-0.2	0.1	-1.0
Securities brokerage, dealing, investment advice, and related services ² ...	40	1	3.3	-0.5	1.6	-4.4	-0.4	5.5
Portfolio management ²	40	2	-5.6	2.0	-3.8	-1.3	-2.2	-1.9
Life insurance ²	41	1101	2.9	1.8	1.0	0.1	0.1	0.0
Disability insurance, including accidental death ²	41	1102	-0.1	-0.1	0.0	0.0	0.0	0.0
Health and medical insurance.....	41	1103	2.4	0.8	-0.2	0.1	0.1	0.1
Property and casualty insurance ²	41	1104	1.0	0.1	0.4	0.1	0.0	0.1
Annuities ²	41	2	-1.6	-0.4	-0.1	-0.1	-0.3	-0.1
Residential property sales and leases, brokerage fees and commissions..	43	21	13.0	3.6	1.0	0.8	0.7	1.0
Passenger car rental.....	44	1	2.2	-5.7	-2.2	7.9	9.3	-5.6
Legal services.....	45	1	3.8	1.0	0.3	0.4	-0.2	-0.2
Tax preparation and planning.....	45	2102	-2.0	-2.2	1.6	0.2	0.0	0.4
Architectural and engineering services.....	45	3	4.9	2.5	0.0	0.8	0.3	0.2
Management, scientific, and technical consulting services.....	45	4	0.9	0.3	-0.4	0.2	0.0	-0.4
Arrangement of flights (partial).....	47	1	-4.0	1.7	-0.7	1.0	-0.1	0.1
Arrangement of vehicle rentals and lodging ²	47	2	14.7	3.9	0.3	-0.1	2.8	-0.6
Arrangement of cruises and tours ²	47	3	4.5	1.5	0.3	-0.4	-2.0	5.1
Physician care.....	51	1101	0.6	-0.5	0.0	0.0	-0.1	0.1
Medical laboratory and diagnostic imaging care ²	51	1102	-0.1	0.0	0.0	0.0	-0.1	0.0
Home health and hospice care.....	51	1103	2.2	0.7	0.0	0.3	-0.4	0.1
Hospital outpatient care ²	51	1104	3.8	1.8	0.1	0.0	0.2	0.0
Dental care.....	51	1105	3.6	1.8	0.5	0.0	0.3	0.0
Hospital inpatient care.....	51	2101	3.2	1.3	-0.1	0.3	-0.3	0.2
Nursing home care.....	51	2102	2.2	0.1	-0.2	0.2	0.5	0.1
Traveler accommodation services.....	53	11	22.4	-2.4	-2.5	12.7	-4.0	-3.3
Food and beverages for immediate consumption services (partial) ²	54	1	0.9	-5.9	1.1	0.6	-1.3	1.3
Motor vehicle repair and maintenance (partial).....	55	2	3.9	-0.6	1.4	0.6	0.4	0.1
Membership dues and admissions and recreation facility use fees (partial) ²	56	1	4.4	0.3	0.7	1.0	0.4	-2.1
Recreational activity instruction fees (partial) ²	56	2	1.5	0.0	0.0	0.0	1.1	0.2
Gaming receipts (partial) ²	56	3	3.3	2.1	-1.2	1.9	-4.4	2.5
Mining services ²	60	1	13.6	2.4	0.2	2.0	-0.1	2.8
Final demand construction.....	FD	43	19.0	3.4	0.6	0.6	3.7	0.4
New warehouse building construction ²	80	1101	30.7	6.3	0.3	0.4	4.7	-0.1
New school building construction ²	80	1102	15.5	2.8	0.1	0.5	4.1	0.0
New office building construction ²	80	1103	19.3	4.0	1.2	0.9	2.8	0.6
New industrial building construction ²	80	1104	23.5	3.6	0.6	0.2	4.5	0.9
New health care building construction ²	80	1105	15.3	2.0	0.2	0.6	4.2	0.1
Intermediate Demand by Commodity Type								
Processed goods for intermediate demand.....	ID6	1	21.6	2.2	1.5	2.3	2.0	2.3
Processed foods and feeds.....	ID6	9112	15.2	2.6	2.1	2.1	3.0	0.9
Meats.....	02	21	-5.1	2.8	-0.7	-2.1	-0.5	-6.0
Processed poultry.....	02	22	25.2	2.6	3.1	2.4	1.5	5.1
Dairy products.....	02	3	20.1	5.3	3.7	3.3	2.9	1.0
Processed fruits and vegetables ²	02	4	10.1	1.1	0.9	1.0	1.2	2.2
Refined sugar and byproducts ²	02	53	6.8	0.0	1.0	0.8	0.3	1.0
Fats and oils ²	02	7	32.5	2.8	5.5	6.9	1.3	4.0
Prepared animal feeds ²	02	9	13.7	2.9	2.9	3.1	1.8	1.8
Processed materials less foods and feeds.....	ID6	9111	22.1	2.1	1.5	2.3	1.9	2.4
Synthetic fibers ²	03	1	11.6	0.4	-0.6	0.6	2.1	0.5
Processed yarns and threads ²	03	2	31.4	2.3	1.4	3.7	6.2	1.7
Finished fabrics ²	03	4	15.3	1.9	0.9	0.9	1.3	1.5
Liquefied petroleum gas ²	05	32	99.6	16.8	7.9	15.0	-1.7	4.0
Commercial electric power.....	05	42	9.3	5.1	-2.5	3.1	-0.1	-1.9
Industrial electric power.....	05	43	12.0	3.4	1.8	-1.1	0.5	1.2
Commercial natural gas.....	05	52	36.0	0.0	0.9	-0.4	5.8	9.7
Industrial natural gas.....	05	53	43.3	-4.3	9.2	-7.9	6.7	16.2
Natural gas to electric utilities.....	05	54	41.1	-4.7	-3.1	-19.6	10.0	23.7
Gasoline.....	05	71	66.3	3.3	14.4	5.7	-3.0	8.4
Jet fuel ²	05	7203	139.5	13.1	13.5	23.4	14.8	12.0
No. 2 diesel fuel.....	05	7303	84.9	9.9	14.2	21.6	8.4	2.7
Residual fuels ²	05	74	46.4	0.9	15.6	10.8	8.4	6.2

See footnotes at end of table.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued
[May 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2021 to May 2022 ^P	Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P
Finished lubricants ²	05	76	14.7	0.8	0.4	0.0	5.0	-0.2
Lubricating oil base stocks ²	05	78	36.1	1.7	0.2	3.1	11.6	3.8
Asphalt.....	05	8102	80.5	-4.4	3.2	7.1	18.9	13.8
Basic inorganic chemicals ²	06	13	25.0	4.1	2.8	1.3	2.6	2.8
Basic organic chemicals.....	06	14	17.4	-0.6	1.6	3.7	0.3	2.9
Prepared paint ²	06	21	27.2	6.4	0.7	1.0	5.3	1.5
Paint materials ²	06	22	12.3	2.0	1.8	0.2	2.5	3.9
Medicinal and botanical chemicals ²	06	31	2.2	1.7	0.0	0.0	0.1	0.2
Biological products, including diagnostics.....	06	37	5.2	0.2	0.1	-0.2	0.9	0.2
Fats and oils, inedible ²	06	4	15.7	0.8	7.6	9.4	0.3	3.3
Nitrogenates.....	06	5201	139.7	2.4	2.6	6.7	6.6	11.8
Phosphates.....	06	5202	46.6	-1.0	-0.6	6.7	3.0	-2.4
Other agricultural chemicals ²	06	53	29.1	4.1	0.4	0.0	11.7	0.0
Plastic resins and materials.....	06	6	8.0	-2.7	-0.4	-1.2	5.5	1.0
Industrial gases ²	06	7903	22.0	0.1	1.9	3.5	0.1	0.3
Adhesives and sealants ²	06	7904	19.1	3.0	2.4	0.8	2.7	0.9
Synthetic rubber ²	07	1102	17.0	0.9	-0.1	0.8	3.3	0.5
Tires ²	07	1201	15.3	3.6	1.1	0.1	3.3	0.7
Plastic construction products ²	07	21	29.5	1.6	1.4	1.5	1.5	1.7
Unsupported plastic film, sheet, other shapes ²	07	22	18.3	0.2	0.2	1.6	1.1	1.4
Parts for manufacturing from plastics ²	07	26	12.2	0.8	0.3	0.7	0.6	1.0
Plastic packaging products ²	07	2A	16.6	1.0	-0.3	0.4	1.6	0.8
Softwood lumber.....	08	11	-21.7	26.0	2.4	5.5	-15.9	0.4
Hardwood lumber ²	08	12	12.0	-2.7	2.8	0.1	0.3	2.9
Millwork.....	08	2	16.1	4.5	2.0	0.9	2.0	0.2
Plywood ²	08	3	-14.4	18.1	8.0	7.1	-6.8	-3.6
Paper ²	09	13	14.0	0.8	0.3	0.8	1.3	0.7
Paperboard ²	09	14	19.4	0.6	1.4	1.2	1.7	1.8
Paper boxes and containers ²	09	1503	19.8	1.8	1.7	0.4	2.2	2.3
Building paper and board ²	09	2	4.8	14.2	18.2	13.9	-11.7	-2.0
Commercial printing ²	09	47	16.3	1.4	1.9	2.2	1.4	1.8
Foundry and forge shop products ²	10	15	20.0	2.5	1.6	4.1	1.1	2.0
Steel mill products ²	10	17	32.9	-1.8	-9.4	-5.9	2.6	10.7
Primary nonferrous metals ²	10	22	4.2	5.0	5.0	1.8	0.8	-12.0
Secondary nonferrous metals ²	10	24	13.6	2.8	3.8	1.8	4.3	-1.5
Aluminum mill shapes ²	10	2501	31.2	4.0	6.9	6.1	3.5	-3.8
Copper and brass mill shapes ²	10	2502	3.4	3.1	0.8	2.8	2.2	-4.1
Nonferrous wire and cable ²	10	26	19.7	0.5	2.0	3.5	1.5	1.0
Nonferrous foundry shop products.....	10	28	16.0	1.5	1.3	0.7	3.7	0.8
Metal containers ²	10	3	28.4	10.6	2.0	-0.5	2.5	-0.5
Hardware ²	10	4	16.5	0.9	0.9	0.6	0.1	0.5
Plumbing fixtures and brass fittings.....	10	5	11.3	5.2	-1.0	0.5	2.1	0.4
Heating equipment ²	10	6	19.2	2.5	1.4	0.7	0.7	0.1
Fabricated structural metal products.....	10	7	32.3	1.1	1.2	1.1	1.6	1.2
Bolts, nuts, screws, rivets, and washers ²	10	81	21.0	3.0	1.3	0.3	2.6	1.6
Lighting fixtures ²	10	83	9.0	1.2	0.5	1.4	1.0	0.1
Fabricated ferrous wire products ²	10	88	35.3	1.3	2.3	3.9	3.9	0.1
Other miscellaneous metal products ²	10	89	14.7	1.1	0.9	1.6	0.4	1.4
Fluid power equipment.....	11	43	12.7	2.2	0.9	0.7	1.7	0.3
Mechanical power transmission equipment ²	11	45	14.1	2.7	0.3	1.4	1.0	1.6
Air conditioning and refrigeration equipment ²	11	48	25.0	4.3	2.1	1.9	2.6	0.5
Metal valves, except fluid power.....	11	4902	14.1	1.4	1.4	0.7	1.3	3.2
Ball and roller bearings ²	11	4905	10.1	0.3	1.5	1.8	0.0	1.7
Wiring devices ²	11	71	23.9	2.9	1.1	0.2	1.9	0.3
Motors, generators, motor generator sets ²	11	73	16.2	2.9	2.8	0.4	1.0	0.5
Switchgear, switchboard, and industrial controls equip. ²	11	75	18.1	2.7	3.8	2.6	0.4	0.7
Electronic components and accessories.....	11	78	3.1	1.6	0.1	0.5	-1.0	0.3
Internal combustion engines ²	11	94	7.2	2.6	0.0	0.0	1.6	1.3
Machine shop products ²	11	95	7.5	0.1	0.1	0.1	0.8	2.2
Flat glass ²	13	11	9.8	2.0	1.2	-0.9	-1.0	0.4
Cement.....	13	22	6.8	3.2	0.8	0.4	-0.2	0.1
Concrete products.....	13	3	12.0	1.4	1.2	0.2	1.6	1.6
Asphalt felts and coatings ²	13	6	17.5	1.0	2.4	1.4	1.1	0.9
Paving mixtures and blocks.....	13	94	16.1	1.7	1.1	1.7	2.6	2.8
Motor vehicle parts ²	14	12	4.9	0.7	0.2	0.2	0.7	0.2
Aircraft engines and engine parts.....	14	23	2.9	-0.3	0.2	1.2	0.3	0.3

See footnotes at end of table.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued
 [May 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2021 to May 2022 ^P	Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	2.1	0.7	-0.1	0.0	-0.1	0.2
Medical, surgical, and personal aid devices.....	15	6	2.9	1.5	0.7	0.8	0.4	-0.2
Unprocessed goods for intermediate demand.....	ID6	2	48.5	3.1	10.0	2.7	6.1	6.3
Unprocessed foodstuffs and feedstuffs.....	ID6	21	29.4	2.9	5.4	7.6	4.3	0.9
Wheat ²	01	21	56.1	-3.2	1.3	24.3	4.3	1.1
Corn.....	01	2202	3.1	1.6	1.8	14.5	3.5	0.5
Slaughter cattle.....	01	31	17.5	-1.4	3.3	-0.4	1.2	1.6
Slaughter hogs.....	01	32	-7.0	-7.0	30.7	-2.4	2.9	-9.4
Slaughter chickens.....	01	4102	70.9	1.6	0.6	19.0	5.4	-0.5
Slaughter turkeys.....	01	42	21.6	3.4	0.1	0.4	4.9	1.5
Raw milk.....	01	6	47.3	17.5	4.2	5.0	4.2	5.9
Alfalfa hay ²	01	81	46.8	8.4	8.7	4.3	-11.5	10.1
Oilseeds.....	01	8301	-1.1	8.7	9.3	5.6	1.3	-0.6
Raw cane sugar and byproducts ²	02	5201	16.0	-2.6	6.2	0.8	1.3	0.9
Unprocessed nonfood materials.....	ID6	22	60.1	3.2	12.2	0.4	7.0	8.9
Raw cotton ²	01	51	65.6	8.0	4.7	-1.5	12.9	3.7
Hides and skins.....	04	1	-15.5	-4.9	9.4	-8.7	4.2	-5.8
Coal.....	05	1	53.6	17.0	0.0	5.4	18.0	3.9
Natural gas ²	05	31	174.0	-8.0	30.0	-20.8	20.7	39.7
Crude petroleum ²	05	61	59.0	15.0	12.4	10.6	1.5	-1.6
Logs, bolts, timber, pulpwood, and woodchips ²	08	5	7.2	2.4	0.3	0.4	0.1	1.2
Recyclable paper ²	09	12	40.7	-6.1	-0.4	3.0	3.3	-6.0
Iron ores.....	10	11	9.6	0.3	1.5	3.4	-3.7	-4.0
Iron and steel scrap ²	10	12	14.8	-6.7	-0.4	25.5	-0.5	-11.8
Nonferrous metal ores ²	10	21	6.1	7.7	-0.1	6.3	-0.4	-3.7
Copper base scrap ²	10	2301	-2.9	2.7	1.4	1.6	1.4	-7.0
Aluminum base scrap.....	10	2302	24.1	-0.1	0.4	3.8	12.9	-8.2
Construction sand, gravel, and crushed stone.....	13	21	8.6	2.6	1.1	0.8	0.9	0.6
Services for intermediate demand.....	ID6	3	7.7	0.8	0.2	1.2	0.7	0.6
Trade services for intermediate demand ³	ID6	33	14.0	1.4	1.3	4.0	0.3	0.6
Machinery and equipment parts and supplies wholesaling ²	57	1102	16.8	2.1	1.7	0.2	-1.2	1.4
Building materials, paint, and hardware wholesaling.....	57	3	26.3	3.3	2.1	4.5	0.3	-0.6
Metals, minerals, and ores wholesaling ²	57	4	9.0	-2.7	-6.1	6.6	6.0	3.1
Chemicals and allied products wholesaling ²	57	5	5.7	-4.1	1.3	0.3	1.0	3.7
Paper and plastics products wholesaling ²	57	6	23.1	3.0	0.4	6.2	3.3	0.6
Food wholesaling ²	57	8101	10.6	1.0	3.1	2.1	0.0	-1.2
Automotive parts, including tires, retailing ²	58	6102	15.6	1.2	0.6	1.8	1.0	2.3
Hardware, building material, and supplies retailing.....	58	D	3.9	10.9	9.1	10.5	-3.7	-2.1
Transportation and warehousing services for intermediate demand.....	ID6	32	16.5	0.6	0.5	2.2	2.0	1.0
Rail transportation of freight and mail ²	30	11	11.7	0.9	0.3	0.7	2.7	2.7
Truck transportation of freight ²	30	12	25.8	2.1	2.1	5.1	1.7	2.9
Water transportation of freight ²	30	13	35.7	0.9	1.1	-0.9	8.0	12.5
Air transportation of freight ²	30	14	11.5	0.1	-2.8	2.0	2.0	-0.7
Pipeline transportation of petroleum products.....	30	1501	0.4	-0.1	0.2	0.4	-0.4	0.1
U.S. Postal Service.....	30	1601	5.5	-0.6	-1.9	0.2	0.2	0.3
Courier and messenger services, except air mail.....	30	1602	10.9	2.4	0.7	1.1	1.2	1.0
Air mail and package delivery services, excluding by USPS.....	30	1603	24.2	3.5	2.4	2.6	4.2	3.7
Transportation of passengers (partial).....	30	2	28.2	-5.4	3.4	10.9	2.4	2.8
Services related to water transportation.....	31	1	5.8	0.5	0.5	0.5	1.2	0.7
Arrangement of freight and cargo ²	31	31	34.9	-2.4	2.7	-1.1	-2.5	-5.8
Warehousing, storage, and related services ²	32	1	14.1	6.0	-3.6	-0.1	5.2	-2.0
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	4.0	0.6	-0.2	0.0	0.6	0.5
Network compensation from broadcast TV, cable TV, radio ²	35	-	2.3	3.0	0.0	0.0	0.0	0.0
Advertising space sales in periodicals and newspapers ²	36	11	-0.7	1.6	-2.4	1.8	-1.2	0.6
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	2.4	1.1	-1.8	1.3	3.5	1.1
Radio advertising time sales.....	36	3	10.9	-12.9	9.6	1.4	-2.1	7.5
Internet advertising space sales, excluding Internet ads sold by print publishers ²	36	5	8.0	3.8	-1.2	4.4	0.6	0.4
Business wired telecommunication services ²	37	12	0.2	-0.1	0.0	0.0	0.0	0.0
Wireless telecommunication services.....	37	2	0.2	-0.2	0.7	-0.1	-0.1	0.0
Cable and satellite subscriber services.....	37	3	2.8	1.7	-0.2	0.3	0.1	0.5
Bundled wired telecommunication access services ²	37	5	5.1	0.2	0.0	0.1	0.0	0.0
Data processing and related services ²	38	1	1.4	-0.4	0.1	0.0	0.8	0.5
Business loans (partial).....	39	11	16.4	-0.7	-2.2	1.8	4.4	3.9

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
 [May 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2021 to May 2022 ^P	Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P
Deposit services (partial) ²	39	2	-5.1	1.1	-0.6	-5.1	-1.1	-0.2
Other credit intermediation, incl. trust services (partial) ²	39	3	-1.7	0.3	1.2	-0.2	0.1	-1.0
Securities brokerage, dealing, investment advice, and related services ²	40	1	3.3	-0.5	1.6	-4.4	-0.4	5.5
Portfolio management ²	40	2	-5.6	2.0	-3.8	-1.3	-2.2	-1.9
Investment banking ²	40	3	3.8	1.3	0.9	-5.7	-0.6	0.0
Life insurance ²	41	1101	2.9	1.8	1.0	0.1	0.1	0.0
Health and medical insurance.....	41	1103	2.4	0.8	-0.2	0.1	0.1	0.1
Property and casualty insurance ²	41	1104	1.0	0.1	0.4	0.1	0.0	0.1
Annuities ²	41	2	-1.6	-0.4	-0.1	-0.1	-0.3	-0.1
Commissions from sales of insurance ²	42	1	0.2	0.0	0.0	0.0	-0.1	0.0
Nonresidential real estate rents ²	43	11	6.4	1.3	-2.1	-0.7	3.4	0.7
Nonresidential property sales and leases ²	43	12	7.3	1.6	-0.3	0.0	0.1	0.1
Residential property management fees ²	43	22	5.4	0.0	0.9	0.2	0.7	-1.4
Passenger car rental.....	44	1	2.2	-5.7	-2.2	7.9	9.3	-5.6
Truck, utility trailer, and RV rental and leasing ²	44	2	5.0	-0.6	-0.8	1.8	1.7	-0.8
Construction, mining, and forestry machinery and equipment rental and leasing ²	44	3	2.2	-0.2	0.6	-0.1	0.1	0.6
Legal services.....	45	1	3.8	1.0	0.3	0.4	-0.2	-0.2
Accounting services (partial).....	45	2	2.4	-0.3	0.6	0.9	0.5	0.2
Architectural and engineering services.....	45	3	4.9	2.5	0.0	0.8	0.3	0.2
Management, scientific, and technical consulting services.....	45	4	0.9	0.3	-0.4	0.2	0.0	-0.4
Advertising and related services (partial) ²	45	5	8.2	2.3	1.3	0.0	0.6	0.0
Permanent placement services ²	46	1	5.2	0.5	-0.7	0.2	0.1	0.2
Executive search services ²	46	2	1.8	-3.5	3.8	-1.5	-0.5	3.2
Staffing services.....	46	3	6.7	0.9	0.3	0.7	0.6	0.9
Security guard services ²	48	1	5.5	1.1	0.1	0.1	0.8	-0.2
Janitorial services ²	49	1	8.5	1.6	1.1	0.0	1.1	0.4
Waste collection.....	50	1	5.7	0.2	0.8	0.5	1.0	0.7
Traveler accommodation services.....	53	11	22.4	-2.4	-2.5	12.7	-4.0	-3.3
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.3	1.2	3.1	1.1	0.3	0.0
Aircraft repair and maintenance.....	55	4	5.0	0.2	0.0	0.4	0.1	0.0
Metal treatment services ²	59	1	11.9	-0.2	1.0	1.7	1.8	0.4
Construction for intermediate demand.....	ID6	4	14.9	2.2	1.1	1.2	2.2	0.6
Maintenance and repair of non-residential buildings (partial) ²	80	2	14.9	2.2	1.0	1.2	2.2	0.6
Intermediate Demand by Production Flow								
Stage 4 intermediate demand.....	ID5	4	11.5	1.5	0.6	1.1	0.8	1.0
Stage 4 intermediate demand goods.....	ID5	9411	16.0	2.1	1.2	1.6	1.2	1.3
Grains.....	01	2	12.9	0.4	1.9	16.0	3.7	0.7
Meats.....	02	21	-5.1	2.8	-0.7	-2.1	-0.5	-6.0
Unprocessed and packaged fish.....	02	23	19.0	-9.3	-2.1	1.1	2.0	-2.0
Dairy products.....	02	3	20.1	5.3	3.7	3.3	2.9	1.0
Commercial electric power.....	05	42	9.3	5.1	-2.5	3.1	-0.1	-1.9
Industrial electric power.....	05	43	12.0	3.4	1.8	-1.1	0.5	1.2
Gasoline.....	05	71	66.3	3.3	14.4	5.7	-3.0	8.4
No. 2 diesel fuel.....	05	7303	84.9	9.9	14.2	21.6	8.4	2.7
Basic organic chemicals.....	06	14	17.4	-0.6	1.6	3.7	0.3	2.9
Prepared paint ²	06	21	27.2	6.4	0.7	1.0	5.3	1.5
Medicinal and botanical chemicals ²	06	31	2.2	1.7	0.0	0.0	0.1	0.2
Biological products, including diagnostics.....	06	37	5.2	0.2	0.1	-0.2	0.9	0.2
Pharmaceutical preparations.....	06	38	1.4	-0.5	0.5	0.2	0.2	0.1
Plastic construction products ²	07	21	29.5	1.6	1.4	1.5	1.5	1.7
Unsupported plastic film, sheet, and other shapes ²	07	22	18.3	0.2	0.2	1.6	1.1	1.4
Parts for manufacturing from plastics ²	07	26	12.2	0.8	0.3	0.7	0.6	1.0
Plastic packaging products ²	07	2A	16.6	1.0	-0.3	0.4	1.6	0.8
Lumber.....	08	1	-14.5	17.2	2.5	4.2	-12.0	1.1
Millwork.....	08	2	16.1	4.5	2.0	0.9	2.0	0.2
Paper boxes and containers ²	09	1503	19.8	1.8	1.7	0.4	2.2	2.3
Commercial printing ²	09	47	16.3	1.4	1.9	2.2	1.4	1.8
Steel mill products ²	10	17	32.9	-1.8	-9.4	-5.9	2.6	10.7
Nonferrous wire and cable ²	10	26	19.7	0.5	2.0	3.5	1.5	1.0
Fabricated structural metal products.....	10	7	32.3	1.1	1.2	1.1	1.6	1.2
Other miscellaneous metal products ²	10	89	14.7	1.1	0.9	1.6	0.4	1.4
Air conditioning and refrigeration equipment ²	11	48	25.0	4.3	2.1	1.9	2.6	0.5
Wiring devices ²	11	71	23.9	2.9	1.1	0.2	1.9	0.3

See footnotes at end of table.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued
 [May 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2021 to May 2022 ^P	Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P
Electronic components and accessories.....	11	78	3.1	1.6	0.1	0.5	-1.0	0.3
Miscellaneous electrical machinery and equipment ²	11	79	5.1	1.3	0.6	0.5	-0.1	0.9
Internal combustion engines ²	11	94	7.2	2.6	0.0	0.0	1.6	1.3
Machine shop products ²	11	95	7.5	0.1	0.1	0.1	0.8	2.2
Concrete ingredients and related products.....	13	2	8.2	2.8	1.0	0.7	0.6	0.4
Concrete products.....	13	3	12.0	1.4	1.2	0.2	1.6	1.6
Prepared asphalt, tar roofing and siding products ²	13	61	18.9	0.7	2.4	1.6	0.8	2.0
Paving mixtures and blocks.....	13	94	16.1	1.7	1.1	1.7	2.6	2.8
Motor vehicle parts ²	14	12	4.9	0.7	0.2	0.2	0.7	0.2
Aircraft engines and engine parts.....	14	23	2.9	-0.3	0.2	1.2	0.3	0.3
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	2.1	0.7	-0.1	0.0	-0.1	0.2
Medical, surgical and personal aid devices.....	15	6	2.9	1.5	0.7	0.8	0.4	-0.2
Stage 4 intermediate demand services.....	ID5	9412	7.5	1.0	0.0	0.7	0.5	0.7
Truck transportation of freight ²	30	12	25.8	2.1	2.1	5.1	1.7	2.9
Courier, messenger, and U.S. postal services.....	30	16	10.8	1.3	-0.1	1.0	1.3	1.2
Airline passenger services.....	30	22	28.8	-5.5	3.5	11.1	2.5	2.9
Warehousing, storage, and related services ²	32	1	14.1	6.0	-3.6	-0.1	5.2	-2.0
Advertising space sales in periodicals and newspapers ²	36	11	-0.7	1.6	-2.4	1.8	-1.2	0.6
Data processing and related services ²	38	1	1.4	-0.4	0.1	0.0	0.8	0.5
Business loans (partial).....	39	11	16.4	-0.7	-2.2	1.8	4.4	3.9
Deposit services (partial) ²	39	2	-5.1	1.1	-0.6	-5.1	-1.1	-0.2
Securities brokerage, dealing, investment advice, and related services ²	40	1	3.3	-0.5	1.6	-4.4	-0.4	5.5
Portfolio management ²	40	2	-5.6	2.0	-3.8	-1.3	-2.2	-1.9
Investment banking ²	40	3	3.8	1.3	0.9	-5.7	-0.6	0.0
Insurance.....	41	11	1.7	0.7	0.3	0.2	0.1	0.0
Annuities ²	41	2	-1.6	-0.4	-0.1	-0.1	-0.3	-0.1
Nonresidential real estate rents ²	43	11	6.4	1.3	-2.1	-0.7	3.4	0.7
Nonresidential property sales and leases ²	43	12	7.3	1.6	-0.3	0.0	0.1	0.1
Nonresidential property management fees ²	43	13	5.8	1.2	2.0	0.0	-0.7	-1.0
Residential property management fees ²	43	22	5.4	0.0	0.9	0.2	0.7	-1.4
Construction, mining, and forestry machinery and equipment rental and leasing ²	44	3	2.2	-0.2	0.6	-0.1	0.1	0.6
Legal services.....	45	1	3.8	1.0	0.3	0.4	-0.2	-0.2
Advertising agency services ²	45	51	8.2	2.3	1.3	0.0	0.6	0.0
Accounting services (partial).....	45	2	2.4	-0.3	0.6	0.9	0.5	0.2
Architectural and engineering services.....	45	3	4.9	2.5	0.0	0.8	0.3	0.2
Management, scientific, and technical consulting services.....	45	4	0.9	0.3	-0.4	0.2	0.0	-0.4
Staffing services.....	46	3	6.7	0.9	0.3	0.7	0.6	0.9
Janitorial services ²	49	1	8.5	1.6	1.1	0.0	1.1	0.4
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.3	1.2	3.1	1.1	0.3	0.0
Machinery and equipment parts and supplies wholesaling ²	57	1102	16.8	2.1	1.7	0.2	-1.2	1.4
Building materials, paint, and hardware wholesaling.....	57	3	26.3	3.3	2.1	4.5	0.3	-0.6
Metals, minerals, and ores wholesaling ²	57	4	9.0	-2.7	-6.1	6.6	6.0	3.1
Chemicals and allied products wholesaling ²	57	5	5.7	-4.1	1.3	0.3	1.0	3.7
Paper and plastics products wholesaling ²	57	6	23.1	3.0	0.4	6.2	3.3	0.6
Food and alcohol wholesaling ²	57	8	10.2	0.6	2.3	2.8	-0.7	-0.5
Hardware and building materials and supplies retailing.....	58	D	3.9	10.9	9.1	10.5	-3.7	-2.1
Metal treatment services ²	59	1	11.9	-0.2	1.0	1.7	1.8	0.4
Stage 3 intermediate demand.....	ID5	3	19.3	1.6	1.4	3.1	2.5	1.8
Stage 3 intermediate demand goods.....	ID5	9311	29.7	2.6	2.6	4.6	3.7	2.9
Slaughter cattle.....	01	31	17.5	-1.4	3.3	-0.4	1.2	1.6
Slaughter hogs.....	01	32	-7.0	-7.0	30.7	-2.4	2.9	-9.4
Slaughter poultry.....	01	4	61.5	1.9	0.5	15.7	5.2	-0.2
Raw milk.....	01	6	47.3	17.5	4.2	5.0	4.2	5.9
Commercial electric power.....	05	42	9.3	5.1	-2.5	3.1	-0.1	-1.9
Industrial electric power.....	05	43	12.0	3.4	1.8	-1.1	0.5	1.2
Gasoline.....	05	71	66.3	3.3	14.4	5.7	-3.0	8.4
Jet fuel ²	05	7203	139.5	13.1	13.5	23.4	14.8	12.0
No. 2 diesel fuel.....	05	7303	84.9	9.9	14.2	21.6	8.4	2.7
Finished lubricants ²	05	76	14.7	0.8	0.4	0.0	5.0	-0.2
Lubricating oil base stocks ²	05	78	36.1	1.7	0.2	3.1	11.6	3.8
Asphalt.....	05	8102	80.5	-4.4	3.2	7.1	18.9	13.8
Basic inorganic chemicals ²	06	13	25.0	4.1	2.8	1.3	2.6	2.8
Basic organic chemicals.....	06	14	17.4	-0.6	1.6	3.7	0.3	2.9
Paints and allied products ²	06	2	23.2	5.3	0.9	0.8	4.6	1.9

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
 [May 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P	Apr. to May ^P
Agricultural chemicals and chemical products.....	06	5	55.8	2.4	1.3	3.8	6.2	2.9
Plastic resins and materials.....	06	6	8.0	-2.7	-0.4	-1.2	5.5	1.0
Synthetic rubber ²	07	1102	17.0	0.9	-0.1	0.8	3.3	0.5
Unsupported plastic film, sheet, and other shapes ²	07	22	18.3	0.2	0.2	1.6	1.1	1.4
Paper ²	09	13	14.0	0.8	0.3	0.8	1.3	0.7
Paperboard ²	09	14	19.4	0.6	1.4	1.2	1.7	1.8
Converted paper and paperboard products ²	09	15	15.9	1.3	1.3	0.7	1.5	2.1
Commercial printing ²	09	47	16.3	1.4	1.9	2.2	1.4	1.8
Foundry and forge shop products ²	10	15	20.0	2.5	1.6	4.1	1.1	2.0
Steel mill products ²	10	17	32.9	-1.8	-9.4	-5.9	2.6	10.7
Nonferrous mill shapes ²	10	25	20.3	3.8	4.2	4.4	3.1	-3.3
Nonferrous foundry shop products.....	10	28	16.0	1.5	1.3	0.7	3.7	0.8
Metal containers ²	10	3	28.4	10.6	2.0	-0.5	2.5	-0.5
Structural, architectural, and pre-engineered metal products.....	10	74	39.4	0.9	1.1	2.1	2.0	1.1
Bolts, nuts, screws, rivets, and washers ²	10	81	21.0	3.0	1.3	0.3	2.6	1.6
Other miscellaneous metal products ²	10	89	14.7	1.1	0.9	1.6	0.4	1.4
General purpose machinery and equipment.....	11	4	16.0	1.9	1.5	1.0	1.8	1.2
Electrical machinery and equipment.....	11	7	7.5	1.4	0.7	0.6	0.1	0.6
Construction sand, gravel, and crushed stone.....	13	21	8.6	2.6	1.1	0.8	0.9	0.6
Cement.....	13	22	6.8	3.2	0.8	0.4	-0.2	0.1
Motor vehicle parts ²	14	12	4.9	0.7	0.2	0.2	0.7	0.2
Aircraft and aircraft equipment.....	14	2	3.6	0.3	0.2	1.1	0.3	0.3
Stage 3 intermediate demand services.....	ID5	9312	8.9	0.7	0.1	1.5	1.2	0.6
Rail transportation of freight and mail ²	30	11	11.7	0.9	0.3	0.7	2.7	2.7
Courier, messenger, and U.S. postal services.....	30	16	10.8	1.3	-0.1	1.0	1.3	1.2
Arrangement of freight and cargo ²	31	31	34.9	-2.4	2.7	-1.1	-2.5	-5.8
Freight forwarding ²	31	3201	16.9	0.4	-1.4	1.6	10.5	0.0
Warehousing, storage, and related services ²	32	1	14.1	6.0	-3.6	-0.1	5.2	-2.0
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-0.6	1.3	-2.0	1.5	-1.0	0.5
Wired telephone services ²	37	1	0.3	0.1	0.0	0.0	0.0	0.0
Bundled wired telecommunications access services ²	37	5	5.1	0.2	0.0	0.1	0.0	0.0
Data processing and related services ²	38	1	1.4	-0.4	0.1	0.0	0.8	0.5
Business loans (partial).....	39	11	16.4	-0.7	-2.2	1.8	4.4	3.9
Deposit services (partial) ²	39	2	-5.1	1.1	-0.6	-5.1	-1.1	-0.2
Securities brokerage, dealing, investment advice, and related services ²	40	1	3.3	-0.5	1.6	-4.4	-0.4	5.5
Insurance.....	41	11	1.7	0.7	0.3	0.2	0.1	0.0
Nonresidential real estate rents ²	43	11	6.4	1.3	-2.1	-0.7	3.4	0.7
Legal services.....	45	1	3.8	1.0	0.3	0.4	-0.2	-0.2
Accounting services (partial).....	45	2	2.4	-0.3	0.6	0.9	0.5	0.2
Architectural and engineering services.....	45	3	4.9	2.5	0.0	0.8	0.3	0.2
Management, scientific, and technical consulting services.....	45	4	0.9	0.3	-0.4	0.2	0.0	-0.4
Advertising agency services ²	45	51	8.2	2.3	1.3	0.0	0.6	0.0
Staffing services.....	46	3	6.7	0.9	0.3	0.7	0.6	0.9
Aircraft repair maintenance.....	55	4	5.0	0.2	0.0	0.4	0.1	0.0
Machinery and equipment parts and supplies wholesaling ²	57	1102	16.8	2.1	1.7	0.2	-1.2	1.4
Building materials, paint, and hardware wholesaling.....	57	3	26.3	3.3	2.1	4.5	0.3	-0.6
Metals, minerals, and ores wholesaling ²	57	4	9.0	-2.7	-6.1	6.6	6.0	3.1
Chemicals and allied products wholesaling ²	57	5	5.7	-4.1	1.3	0.3	1.0	3.7
Paper and plastics products wholesaling ²	57	6	23.1	3.0	0.4	6.2	3.3	0.6
Food wholesaling ²	57	8101	10.6	1.0	3.1	2.1	0.0	-1.2
Metal treatment services ²	59	1	11.9	-0.2	1.0	1.7	1.8	0.4
Stage 2 intermediate demand.....	ID5	2	25.6	1.4	4.4	0.7	3.0	3.9
Stage 2 intermediate demand goods.....	ID5	9211	46.7	2.7	8.6	0.1	5.2	7.5
Corn.....	01	2202	3.1	1.6	1.8	14.5	3.5	0.5
Oilseeds.....	01	83	-1.1	8.7	9.3	5.6	1.3	-0.6
Prepared animal feeds ²	02	9	13.7	2.9	2.9	3.1	1.8	1.8
Coal.....	05	1	53.6	17.0	0.0	5.4	18.0	3.9
Natural gas ²	05	31	174.0	-8.0	30.0	-20.8	20.7	39.7
Liquefied petroleum gas ²	05	32	99.6	16.8	7.9	15.0	-1.7	4.0
Crude petroleum ²	05	61	59.0	15.0	12.4	10.6	1.5	-1.6
No. 2 diesel fuel.....	05	7303	84.9	9.9	14.2	21.6	8.4	2.7
Industrial chemicals.....	06	1	18.4	0.0	1.7	3.4	0.6	2.9
Plastic resins and materials.....	06	6	8.0	-2.7	-0.4	-1.2	5.5	1.0
Plastic products ²	07	2	20.0	1.0	1.0	1.0	1.2	1.5
Logs, bolts, timber, pulpwood, and wood chips ²	08	5	7.2	2.4	0.3	0.4	0.1	1.2

See footnotes at end of table.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued
 [May 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2021 to May 2022 ^P	Dec. to Jan.	Jan. to Feb. ^P	Feb. to Mar. ^P	Mar. to Apr. ^P
Paper ²	09	13	14.0	0.8	0.3	0.8	1.3	0.7
Paperboard, excluding corrugated paperboard ²	09	1411	20.5	0.8	1.5	1.3	2.0	2.0
Commercial printing ²	09	47	16.3	1.4	1.9	2.2	1.4	1.8
Iron and steel scrap ²	10	12	14.8	-6.7	-0.4	25.5	-0.5	-11.8
Steel mill products ²	10	17	32.9	-1.8	-9.4	-5.9	2.6	10.7
Nonferrous mill shapes ²	10	25	20.3	3.8	4.2	4.4	3.1	-3.3
Electrical machinery and equipment.....	11	7	7.5	1.4	0.7	0.6	0.1	0.6
Electronic components and accessories.....	11	78	3.1	1.6	0.1	0.5	-1.0	0.3
Stage 2 intermediate demand services.....	ID5	9212	7.7	0.1	0.3	1.3	0.8	0.0
Rail transportation of freight and mail ²	30	11	11.7	0.9	0.3	0.7	2.7	2.7
Truck transportation of freight ²	30	12	25.8	2.1	2.1	5.1	1.7	2.9
Pipeline transportation of petroleum products.....	30	1501	0.4	-0.1	0.2	0.4	-0.4	0.1
U.S. Postal Service.....	30	1601	5.5	-0.6	-1.9	0.2	0.2	0.3
Courier and messenger services, except air.....	30	1602	10.9	2.4	0.7	1.1	1.2	1.0
Air mail and package delivery services, excluding by USPS.....	30	1603	24.2	3.5	2.4	2.6	4.2	3.7
Airline passenger services.....	30	22	28.8	-5.5	3.5	11.1	2.5	2.9
Arrangement of freight and cargo ²	31	31	34.9	-2.4	2.7	-1.1	-2.5	-5.8
Television advertising time sales.....	36	21	2.4	1.1	-1.8	1.3	3.5	1.1
Wireless telecommunication services.....	37	2	0.2	-0.2	0.7	-0.1	-0.1	0.0
Data processing and related services ²	38	1	1.4	-0.4	0.1	0.0	0.8	0.5
Securities brokerage, dealing, investment advice, and related services ²	40	1	3.3	-0.5	1.6	-4.4	-0.4	5.5
Portfolio management ²	40	2	-5.6	2.0	-3.8	-1.3	-2.2	-1.9
Investment banking ²	40	31	3.8	1.3	0.9	-5.7	-0.6	0.0
Insurance.....	41	11	1.7	0.7	0.3	0.2	0.1	0.0
Commissions from sales of insurance ²	42	11	0.2	0.0	0.0	0.0	-0.1	0.0
Legal services.....	45	1	3.8	1.0	0.3	0.4	-0.2	-0.2
Accounting services (partial).....	45	2	2.4	-0.3	0.6	0.9	0.5	0.2
Management, scientific, and technical consulting services.....	45	4	0.9	0.3	-0.4	0.2	0.0	-0.4
Advertising agency services ²	45	51	8.2	2.3	1.3	0.0	0.6	0.0
Staffing services.....	46	3	6.7	0.9	0.3	0.7	0.6	0.9
Security guard services ²	48	1	5.5	1.1	0.1	0.1	0.8	-0.2
Janitorial services ²	49	1	8.5	1.6	1.1	0.0	1.1	0.4
Traveler accommodation services.....	53	1	22.4	-2.4	-2.5	12.7	-4.0	-3.3
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.3	1.2	3.1	1.1	0.3	0.0
Hardware and building materials and supplies retailing.....	58	D	3.9	10.9	9.1	10.5	-3.7	-2.1
Stage 1 intermediate demand.....	ID5	1	16.1	1.4	1.0	2.7	1.6	1.6
Stage 1 intermediate demand goods.....	ID5	9111	23.7	1.8	1.6	3.3	2.4	2.3
Prepared animal feeds ²	02	9	13.7	2.9	2.9	3.1	1.8	1.8
Commercial electric power.....	05	42	9.3	5.1	-2.5	3.1	-0.1	-1.9
Industrial electric power.....	05	43	12.0	3.4	1.8	-1.1	0.5	1.2
Commercial natural gas.....	05	52	36.0	0.0	0.9	-0.4	5.8	9.7
Industrial natural gas.....	05	53	43.3	-4.3	9.2	-7.9	6.7	16.2
Gasoline.....	05	71	66.3	3.3	14.4	5.7	-3.0	8.4
No. 2 diesel fuel.....	05	7303	84.9	9.9	14.2	21.6	8.4	2.7
Industrial chemicals.....	06	1	18.4	0.0	1.7	3.4	0.6	2.9
Prepared paint ²	06	21	27.2	6.4	0.7	1.0	5.3	1.5
Plastic construction products ²	07	21	29.5	1.6	1.4	1.5	1.5	1.7
Recyclable paper ²	09	12	40.7	-6.1	-0.4	3.0	3.3	-6.0
Paper ²	09	13	14.0	0.8	0.3	0.8	1.3	0.7
Converted paper and paperboard products ²	09	15	15.9	1.3	1.3	0.7	1.5	2.1
Iron and steel scrap ²	10	12	14.8	-6.7	-0.4	25.5	-0.5	-11.8
Steel mill products ²	10	17	32.9	-1.8	-9.4	-5.9	2.6	10.7
Primary nonferrous metals ²	10	22	4.2	5.0	5.0	1.8	0.8	-12.0
Nonferrous scrap.....	10	23	-2.6	4.3	6.0	4.5	3.7	-8.8
Nonferrous wire and cable ²	10	26	19.7	0.5	2.0	3.5	1.5	1.0
Fabricated structural metal products.....	10	7	32.3	1.1	1.2	1.1	1.6	1.2
General purpose machinery and equipment.....	11	4	16.0	1.9	1.5	1.0	1.8	1.2
Construction sand, gravel, and crushed stone.....	13	21	8.6	2.6	1.1	0.8	0.9	0.6
Stage 1 intermediate demand services.....	ID5	9112	8.3	1.0	0.2	2.1	0.6	0.9
Truck transportation of freight ²	30	12	25.8	2.1	2.1	5.1	1.7	2.9
Airline passenger services.....	30	22	28.8	-5.5	3.5	11.1	2.5	2.9
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-0.6	1.3	-2.0	1.5	-1.0	0.5
Business wired telecommunication services ²	37	12	0.2	-0.1	0.0	0.0	0.0	0.0
Wireless telecommunication services.....	37	2	0.2	-0.2	0.7	-0.1	-0.1	0.0

See footnotes at end of table.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued
 [May 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		May 2021 to May 2022 ^p	Dec. to Jan.	Jan. to Feb. ^p	Feb. to Mar. ^p	Mar. to Apr. ^p
Bundled wired telecommunications access services ²	37	5	5.1	0.2	0.0	0.1	0.0	0.0
Business loans (partial).....	39	11	16.4	-0.7	-2.2	1.8	4.4	3.9
Deposit services (partial) ²	39	2	-5.1	1.1	-0.6	-5.1	-1.1	-0.2
Securities brokerage, dealing, investment advice, and related services ²	40	1	3.3	-0.5	1.6	-4.4	-0.4	5.5
Portfolio management ²	40	2	-5.6	2.0	-3.8	-1.3	-2.2	-1.9
Investment banking ²	40	3	3.8	1.3	0.9	-5.7	-0.6	0.0
Insurance.....	41	11	1.7	0.7	0.3	0.2	0.1	0.0
Nonresidential real estate rents ²	43	11	6.4	1.3	-2.1	-0.7	3.4	0.7
Architectural and engineering services.....	45	3	4.9	2.5	0.0	0.8	0.3	0.2
Management consulting services.....	45	41	0.9	0.3	-0.4	0.2	0.0	-0.4
Waste collection.....	50	1	5.7	0.2	0.8	0.5	1.0	0.7
Traveler accommodation services.....	53	11	22.4	-2.4	-2.5	12.7	-4.0	-3.3
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.3	1.2	3.1	1.1	0.3	0.0
Machinery and equipment parts and supplies wholesaling ²	57	1102	16.8	2.1	1.7	0.2	-1.2	1.4
Building materials, paint, and hardware wholesaling.....	57	3	26.3	3.3	2.1	4.5	0.3	-0.6
Metals, minerals, and ores wholesaling ²	57	4	9.0	-2.7	-6.1	6.6	6.0	3.1
Chemicals and allied products wholesaling ²	57	5	5.7	-4.1	1.3	0.3	1.0	3.7
Paper and plastics products wholesaling ²	57	6	23.1	3.0	0.4	6.2	3.3	0.6
Hardware and building materials and supplies retailing.....	58	D	3.9	10.9	9.1	10.5	-3.7	-2.1
Mining services ²	60	1	13.6	2.4	0.2	2.0	-0.1	2.8

¹ All indexes are subject to revision for 4 months after their originally scheduled publication to incorporate late reports and corrections by survey respondents. In addition, seasonally adjusted indexes are subject to change for up to 5 years due to the recalculation of seasonal factors published each January.

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

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

p Preliminary

"-" Data not available.

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

Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted
 [May 2022, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Jan. 2022	Feb. 2022 ^p	Mar. 2022 ^p	Apr. 2022 ^p	May 2022 ^p
Final Demand								
Final demand.....		FD	4	133.538	134.951	137.096	137.612	138.657
Final demand goods.....		FD	41	134.256	137.216	140.514	142.286	144.334
Final demand foods.....		FD	411	139.554	142.207	145.656	147.764	147.708
Finished consumer foods ²	00/82	FD	4111	243.323	247.287	252.498	256.055	256.205
Finished consumer foods, crude.....	00/82	FD	411113	242.353	245.312	278.329	282.841	281.412
Finished consumer foods, processed.....	00/82	FD	411112	243.962	248.043	250.274	253.736	254.056
Government purchased foods.....		FD	4112	144.281	147.401	148.369	150.416	149.266
Foods for export.....		FD	4113	148.175	152.759	159.968	162.618	162.338
Final demand energy.....		FD	412	136.170	145.971	155.502	157.979	165.857
Finished consumer energy goods ²	00/82	FD	4121	213.489	228.068	239.387	238.926	250.094
Government purchased energy.....		FD	4122	143.238	154.522	174.346	186.176	196.365
Energy for export.....		FD	4123	127.516	140.816	157.983	175.262	187.950
Final demand goods less foods and energy.....		FD	413	132.218	133.268	134.714	136.193	137.088
Finished goods less foods and energy ²	00/82	FD	4131	227.299	229.508	231.130	233.484	235.304
Finished consumer goods less foods and energy.....	00/82	FD	41311	253.810	256.155	257.864	259.980	262.250
Nondurable consumer goods less foods and energy.....	00/82	FD	413111	325.755	328.898	330.613	333.056	336.318
Durable consumer goods.....	00/82	FD	413112	179.400	180.933	182.591	184.343	185.620
Private capital equipment.....	00/82	FD	41312	194.088	196.081	197.556	200.014	201.360
Private capital equipment for manufacturing industries.....	00/82	FD	413121	204.104	206.833	209.153	212.463	214.500
Private capital equipment for nonmanufacturing industries.....	00/82	FD	413122	191.011	192.801	194.045	196.268	197.424
Government purchased goods, excluding foods and energy.....		FD	4132	128.875	129.852	131.569	132.572	133.905
Government purchased goods excluding foods, energy, and capital equipment.....		FD	41321	136.822	138.335	140.277	141.866	143.789
Government purchased capital equipment.....		FD	41322	117.058	117.345	118.756	119.006	119.578
Goods for export, excluding foods and energy.....		FD	4133	133.860	134.530	136.763	138.596	139.064
Final demand services.....		FD	42	132.478	133.115	134.698	134.451	134.994
Final demand trade services ³		FD	423	141.487	143.831	146.376	145.525	146.107
Trade of finished goods ²		FD	4231	140.533	142.795	145.357	144.453	144.792
Trade of personal consumption goods.....		FD	42311	140.009	141.830	144.790	144.040	144.026
Trade of private capital equipment.....		FD	42312	141.270	145.440	146.227	144.663	146.544
Trade of government purchased goods.....		FD	4232	145.951	149.166	152.102	151.445	153.385
Trade of government purchased goods, excluding capital equipment.....		FD	42321	149.631	151.478	156.028	156.048	158.410
Trade of government purchased capital equipment.....		FD	42322	139.013	144.276	144.734	143.055	144.335
Trade of exports.....		FD	4233	148.845	151.600	153.861	153.403	155.624
Final demand transportation and warehousing services.....		FD	422	140.667	143.497	151.653	154.759	159.182
Transportation of passengers for final demand.....		FD	4221	109.308	113.066	125.452	128.522	132.194
Transportation of private passengers.....		FD	42211	109.368	113.117	125.471	128.536	132.198
Transportation of government passengers.....		FD	42212	109.408	113.116	125.331	128.373	131.995
Transportation of passengers for export.....		FD	42213	109.054	112.854	125.379	128.471	132.182
Transportation and warehousing of goods for final demand.....		FD	4222	152.742	155.131	161.335	164.420	169.119
Transportation and warehousing of finished goods ²		FD	42221	151.812	154.249	160.692	163.696	168.454
Transportation and warehousing of personal consumption goods.....		FD	422211	152.019	154.394	160.752	163.710	168.385
Transportation and warehousing of private capital equipment.....		FD	422212	150.985	153.675	160.459	163.649	168.739
Transportation and warehousing of government purchased goods.....		FD	42222	149.625	150.998	156.088	159.282	163.344
Transportation and warehousing of exports.....		FD	42223	156.702	159.216	165.141	168.418	173.149
Final demand services less trade, transportation, and warehousing.....		FD	421	127.609	127.245	127.743	127.445	127.590
Finished services less trade, transportation, and warehousing ²		FD	4211	128.039	127.704	128.301	127.967	128.054
Finished consumer services less trade, transportation, and warehousing.....		FD	42111	127.621	127.243	127.743	127.331	127.212
Private capital investment services less trade, transportation, and warehousing.....		FD	42112	132.071	132.116	133.568	133.916	135.833
Government purchased services less trade, transportation, and warehousing.....		FD	4212	119.827	119.602	119.748	119.929	120.118
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....		FD	42121	120.281	120.104	120.207	120.392	120.512
Government purchased capital investment services less trade, transportation, and warehousing.....		FD	42122	108.159	106.957	107.975	108.066	109.671
Services for export less trade, transportation, and warehousing.....		FD	4213	131.112	130.169	129.600	129.318	130.247
Final demand construction.....		FD	43	151.198	152.089	153.053	158.744	159.347
Construction for private capital investment.....		FD	431	153.666	154.657	155.566	161.517	162.260
Construction for government.....		FD	432	146.508	147.217	148.278	153.491	153.843
Final Demand Special Groupings								
Final demand less exports.....	04/10	FD	49101	131.059	132.444	134.437	134.750	135.718
Final demand less government.....	04/10	FD	49102	131.773	133.118	135.132	135.505	136.468
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy ¹	04/10	FD	49103	131.618	132.388	133.928	134.216	134.777
Final demand less foods and energy ⁴	04/10	FD	49104	131.383	132.117	133.640	133.915	134.538
Final demand less foods and food and nonalcoholic beverages for immediate consumption ⁴	04/10	FD	49105	131.521	132.907	134.990	135.428	136.488

See footnotes at end of table.

Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued
 [May 2022, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Jan. 2022	Feb. 2022 ^p	Mar. 2022 ^p	Apr. 2022 ^p	May 2022 ^p
Final demand less foods ⁴	04/10	FD	49106	131.242	132.563	134.602	135.018	136.111
Final demand less energy.....	04/10	FD	49107	131.591	132.435	134.067	134.448	135.030
Final demand less trade services.....	01/10	FD	49108	130.188	131.371	133.405	134.242	135.388
Final demand less distributive services ⁵	01/10	FD	49109	129.358	130.496	132.374	133.129	134.144
Final demand goods less energy.....	01/10	FD	49111	132.542	133.907	135.746	137.340	138.034
Final demand goods less foods.....	04/10	FD	49112	130.129	133.079	136.271	137.936	140.346
Final demand services less trade services.....	04/10	FD	49113	127.769	127.692	128.870	128.879	129.404
Final demand distributive services ⁵	04/10	FD	49114	140.340	142.646	145.611	145.278	146.373
Final demand goods plus final demand distributive services ⁵	04/10	FD	49115	134.878	137.539	140.660	141.571	143.212
Final demand less foods, energy, and trade services ⁴	08/13	FD	49116	121.439	121.712	122.885	123.437	124.036
Private and government purchased capital equipment.....	08/13	FD	49117	117.641	118.721	119.688	121.005	121.787
Private and government purchased capital investment services.....	08/13	FD	49118	125.868	127.735	129.026	128.687	130.558
Total private and government purchased capital investment.....	08/13	FD	49119	124.120	125.555	126.673	127.587	128.871
Total finished ²	01/10	FD	49201	132.052	133.389	135.265	135.401	136.291
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy ^{2, 4}	12/10	FD	49202	130.915	131.634	133.074	133.145	133.637
Total finished less foods and energy ^{2, 4}	01/10	FD	49203	131.754	132.470	133.903	133.954	134.452
Total finished less foods and food and nonalcoholic beverages for immediate consumption ⁴	12/10	FD	49204	130.480	131.771	133.589	133.635	134.569
Total finished less foods ^{2, 4}	01/10	FD	49205	131.842	133.129	134.945	134.973	135.911
Total finished less energy ²	01/10	FD	49206	131.989	132.793	134.313	134.477	134.950
Finished goods ²	00/82	FD	49207	235.756	241.626	246.554	248.506	252.500
Finished goods less energy ²	00/82	FD	49208	231.022	233.676	236.213	238.871	240.261
Finished goods, excluding foods ^{2, 4}	00/82	FD	49209	232.918	239.236	244.074	245.620	250.551
Finished services ²	01/10	FD	49210	131.285	131.875	133.422	133.086	133.459
Private capital investment services.....	04/10	FD	49211	135.583	137.521	138.951	138.628	140.674
Finished distributive services ^{2, 5}	04/10	FD	49212	138.982	141.218	144.121	143.626	144.403
Finished services less trade services ²	04/10	FD	49213	127.870	127.758	128.884	128.785	129.173
Finished services less distributive services ^{2, 5}	04/10	FD	49214	126.778	126.537	127.396	127.141	127.309
Total private capital investment (goods, services, and construction).....	04/10	FD	49215	131.624	133.212	134.397	135.308	136.760
Finished goods plus finished distributive services ²	04/10	FD	49216	135.083	137.877	140.699	141.052	142.606
Total exports.....	04/10	FD	49301	133.518	134.936	137.780	139.491	140.888
Goods for export.....	00/82	FD	49302	227.146	229.999	235.855	240.375	242.062
Services for export.....	04/10	FD	49303	139.140	140.227	142.291	142.648	144.717
Total government purchases.....	04/10	FD	49401	127.818	129.746	132.986	135.074	136.852
Government purchased goods.....	00/82	FD	49402	218.456	224.359	233.934	239.885	244.998
Government purchased services.....	04/10	FD	49403	125.314	125.916	127.148	127.392	128.185
Total government purchased capital investment (goods, services, construction).....	08/13	FD	49404	121.372	122.322	123.420	124.709	125.350
Personal consumption.....	01/10	FD	49501	132.050	133.332	135.360	135.323	136.089
Personal consumption goods (finished consumer goods).....	00/82	FD	49502	253.509	261.138	267.636	269.342	274.537
Personal consumption goods less energy.....	00/82	FD	49503	250.030	253.063	256.251	258.979	260.362
Personal consumption goods less foods.....	00/82	FD	49504	255.741	264.802	271.773	272.715	279.921
Personal consumption nondurable goods less foods.....	00/82	FD	49508	288.920	301.151	310.361	310.973	320.677
Personal consumption services.....	04/10	FD	49505	130.111	130.499	132.058	131.721	131.845
Personal consumption less trade services.....	04/10	FD	49506	129.574	130.708	132.483	132.636	133.607
Personal consumption less distributive services ⁵	04/10	FD	49507	128.965	130.062	131.698	131.765	132.622
Personal consumption less foods and energy.....	04/14	FD	49510	121.547	121.998	123.380	123.220	123.450
Personal consumption less foods, energy, and trade services ³	04/14	FD	49511	119.332	119.381	120.323	120.338	120.648
Personal consumption less foods, energy, and distributive services ⁵	04/14	FD	49512	118.926	118.893	119.650	119.561	119.718
Personal consumption goods plus personal consumption distributive services ⁵	08/13	FD	49509	124.527	127.223	130.274	130.524	131.998
Intermediate Demand by Commodity Type								
Processed goods								
Processed goods for intermediate demand.....	00/82	ID6	1	254.038	257.960	263.843	269.127	275.312
Materials and components for manufacturing.....	00/82	ID6	11	240.607	240.373	242.239	245.685	250.860
Materials for manufacturing.....		ID6	111	157.498	156.692	157.843	160.682	165.090
Materials for food manufacturing.....	00/82	ID6	1111	240.122	245.506	250.596	260.298	262.922
Materials for nondurable manufacturing.....	00/82	ID6	1112	278.954	282.928	289.232	293.655	300.072
Materials for durable manufacturing.....	00/82	ID6	1113	327.896	317.162	313.219	317.523	330.058
Components for manufacturing.....	00/82	ID6	112	176.270	177.531	179.052	180.299	181.852
Components for nondurable manufacturing.....		ID6	1121	140.161	141.274	142.939	143.980	145.607
Components for durable manufacturing.....		ID6	1122	124.263	125.146	126.196	127.073	128.149
Materials and components for construction.....	00/82	ID6	12	334.197	340.108	346.621	348.547	352.250
Materials for construction.....		ID6	121	164.158	168.222	172.079	170.774	172.017
Components for construction.....		ID6	122	165.841	167.873	170.594	173.299	175.583
Processed fuels and lubricants for intermediate demand.....	00/82	ID6	13	242.206	256.191	274.752	287.097	300.382
Processed fuels and lubricants to manufacturing industries.....	00/82	ID6	131	243.952	255.493	268.263	280.749	290.164
Processed fuels and lubricants to nonmanufacturing industries.....	00/82	ID6	132	242.061	256.873	277.364	289.684	304.261
Containers for intermediate demand.....	00/82	ID6	14	288.027	293.027	293.528	298.628	302.043

See footnotes at end of table.

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

[May 2022, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Jan. 2022	Feb. 2022 ^P	Mar. 2022 ^P	Apr. 2022 ^P	May 2022 ^P
Supplies for intermediate demand.....	00/82	ID6	15	237.692	240.310	243.303	246.759	249.411
Supplies to manufacturing industries.....	00/82	ID6	151	236.125	238.489	241.351	244.457	246.297
Supplies to nonmanufacturing industries.....	00/82	ID6	152	236.040	238.677	241.667	245.151	247.910
Supplies to nonmanufacturing industries, feeds.....	00/82	ID6	1521	227.363	232.687	240.531	245.264	248.672
Supplies to nonmanufacturing industries, other than feeds.....	00/82	ID6	1522	238.791	241.179	243.705	247.092	249.808
Unprocessed goods								
Unprocessed goods for intermediate demand.....	00/82	ID6	2	274.052	301.460	309.519	328.541	349.346
Unprocessed foodstuffs and feedstuffs.....	00/82	ID6	21	223.450	235.482	253.407	264.270	266.675
Unprocessed nonfood materials.....	00/82	ID6	22	298.036	334.484	335.939	359.617	391.616
Unprocessed nonfood materials except fuel.....	00/82	ID6	221	352.978	375.628	413.231	420.814	409.168
Unprocessed nonfood materials except fuel to manufacturing industries.....	00/82	ID6	2211	329.925	351.870	388.452	395.726	384.278
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	00/82	ID6	2212	302.487	305.914	308.492	311.144	312.778
Unprocessed fuel.....	00/82	ID6	222	203.943	255.191	210.180	252.619	338.043
Unprocessed fuel to manufacturing industries.....	00/82	ID6	2221	218.126	237.000	225.825	267.467	303.897
Unprocessed fuel to nonmanufacturing industries.....	00/82	ID6	2222	208.930	263.587	215.258	258.959	349.767
Services								
Services for intermediate demand.....		ID6	3	135.899	136.180	137.849	138.819	139.693
Trade services for intermediate demand ⁵		ID6	33	159.824	161.847	168.260	168.766	169.854
Trade services for manufacturing industries.....	12/12	ID6	331	146.353	146.957	150.850	152.059	154.270
Trade services for nonmanufacturing industries.....	12/12	ID6	332	141.860	144.906	152.579	152.282	152.031
Transportation and warehousing services for intermediate demand.....		ID6	32	150.301	151.085	154.423	157.525	159.105
Transportation of passengers for intermediate demand.....		ID6	321	109.483	113.189	125.397	128.438	132.058
Transportation of passengers for manufacturing industries.....		ID6	3211	109.052	112.848	125.362	128.452	132.160
Transportation of passengers for nonmanufacturing industries.....		ID6	3212	109.592	113.288	125.460	128.496	132.106
Transportation and warehousing of goods for intermediate demand.....		ID6	322	154.681	155.157	157.562	160.672	162.037
Transportation and warehousing of goods for manufacturing industries.....	12/12	ID6	3221	125.566	127.011	130.682	133.669	137.933
Transportation and warehousing of goods for nonmanufacturing industries.....	12/12	ID6	3222	138.984	139.113	140.788	143.452	143.787
Services less trade, transportation, and warehousing for intermediate demand.....		ID6	31	126.887	126.596	126.659	127.387	128.081
Services less trade, transportation, and warehousing for manufacturing industries.....		ID6	311	119.568	120.269	121.304	122.303	122.401
Services less trade, transportation, and warehousing for nonmanufacturing industries.....		ID6	312	127.118	126.793	126.822	127.541	128.255
Construction								
Construction for intermediate demand.....		ID6	4	134.006	135.414	137.063	140.048	140.885
Intermediate Demand by Commodity Type Special Groupings								
Processed materials less foods and feeds.....	00/82	ID6	9111	255.951	259.780	265.743	270.833	277.396
Processed foods and feeds.....	00/82	ID6	9112	234.463	239.379	244.414	251.784	253.957
Processed energy goods.....	00/82	ID6	9113	243.330	257.380	276.027	288.429	301.776
Processed materials less energy.....	00/82	ID6	9118	253.668	255.000	257.607	261.039	265.350
Processed materials less foods and energy.....	00/82	ID6	9115	255.493	256.398	258.713	261.672	266.230
Intermediate distributive services ⁶	04/10	ID6	9116	155.016	156.452	161.322	162.743	163.909
Processed goods plus intermediate distributive services.....	04/10	ID6	9117	142.687	144.637	148.279	150.771	153.556
Unprocessed materials less agricultural products.....	00/82	ID6	9211	299.833	339.501	336.984	362.118	398.443
Unprocessed energy materials ⁷	00/82	ID6	9212	229.847	272.690	260.670	287.676	334.598
Unprocessed materials less energy.....	00/82	ID6	9213	288.447	299.633	324.718	335.396	331.142
Unprocessed nonfood materials less energy ⁸	00/82	ID6	9216	485.042	492.527	537.916	547.133	524.276
Intermediate Demand by Production Flow								
Stage 4 Intermediate Demand								
Stage 4 intermediate demand.....		ID5	4	140.113	140.949	142.555	143.748	145.207
Inputs to stage 4 goods producers.....		ID5	41	139.954	140.884	142.787	144.308	146.250
Goods.....		ID5	411	135.123	135.901	137.541	139.479	141.454
Foods.....		ID5	4111	143.558	147.150	154.848	159.123	161.021
Energy.....		ID5	4112	149.466	159.058	164.619	169.966	177.523
Goods excluding foods and energy.....		ID5	4113	133.772	134.050	134.747	136.305	138.244
Services.....		ID5	412	156.126	157.496	160.167	160.561	162.447
Trade services.....		ID5	4123	166.555	168.202	171.159	171.293	173.520
Transportation and warehousing services.....		ID5	4122	129.028	130.417	134.959	137.896	141.256
Transportation of passengers.....		ID5	41221	109.054	112.853	125.378	128.470	132.181
Transportation and warehousing of goods.....		ID5	41222	141.483	142.492	145.772	148.873	152.387
Services less trade, transportation, and warehousing.....		ID5	4121	121.753	122.036	123.010	123.626	123.731
Inputs to stage 4 services producers.....		ID5	42	135.971	136.125	136.810	137.823	138.741
Goods.....		ID5	421	137.855	139.561	141.655	143.418	144.715
Foods.....		ID5	4211	145.873	148.846	150.786	152.907	152.104

See footnotes at end of table.

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

[May 2022, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Jan. 2022	Feb. 2022 ^P	Mar. 2022 ^P	Apr. 2022 ^P	May 2022 ^P
Energy.....		ID5	4212	131.438	133.278	136.643	139.179	141.988
Goods excluding foods and energy.....		ID5	4213	138.392	139.653	141.112	142.356	143.459
Services.....		ID5	422	135.157	134.748	134.922	135.659	136.439
Trade services.....		ID5	4223	146.694	148.505	152.232	152.147	154.397
Transportation and warehousing services.....		ID5	4222	141.029	140.433	143.359	146.581	147.055
Transportation of passengers.....		ID5	42221	108.811	112.568	124.949	128.014	131.684
Transportation and warehousing of goods.....		ID5	42222	147.360	145.961	147.158	150.417	150.304
Services less trade, transportation, and warehousing.....		ID5	4221	132.483	131.798	131.223	131.816	132.428
Construction.....		ID5	423	134.006	135.414	137.063	140.048	140.885
Inputs to stage 4 construction producers.....		ID5	43	155.273	158.606	163.157	164.262	166.690
Goods.....		ID5	431	158.611	162.811	166.918	168.017	170.871
Energy.....		ID5	4312	156.234	175.492	190.685	194.094	207.659
Goods excluding foods and energy.....		ID5	4313	162.534	165.363	168.484	169.383	171.259
Services.....		ID5	432	146.586	147.841	153.427	154.539	155.944
Trade services.....		ID5	4323	165.966	167.833	177.544	178.679	180.011
Transportation and warehousing services.....		ID5	4322	146.849	149.253	155.695	158.672	163.063
Transportation of passengers.....		ID5	43221	113.735	117.686	130.711	133.929	137.788
Transportation and warehousing of goods.....		ID5	43222	148.476	150.850	157.148	160.134	164.561
Services less trade, transportation, and warehousing.....		ID5	4321	123.766	123.964	124.866	125.289	125.711
Stage 3 Intermediate Demand								
Stage 3 intermediate demand.....		ID5	3	143.617	145.634	150.110	153.869	156.690
Inputs to stage 3 goods producers.....		ID5	31	159.883	161.767	166.670	171.578	175.642
Goods.....		ID5	311	158.383	160.675	165.293	170.505	174.768
Foods.....		ID5	3111	166.603	175.079	188.817	199.837	202.253
Energy.....		ID5	3112	146.881	155.173	165.644	183.506	199.428
Goods excluding foods and energy.....		ID5	3113	159.704	159.117	159.711	161.852	166.245
Services.....		ID5	312	154.481	154.530	160.262	163.549	166.492
Trade services.....		ID5	3123	160.041	158.851	165.693	169.229	171.599
Transportation and warehousing services.....		ID5	3122	145.099	147.311	152.736	156.374	161.683
Transportation of passengers.....		ID5	31221	116.128	120.170	133.497	136.787	140.736
Transportation and warehousing of goods.....		ID5	31222	146.540	148.641	153.600	157.252	162.631
Services less trade, transportation, and warehousing.....		ID5	3121	123.308	123.958	125.371	126.619	127.016
Inputs to stage 3 services producers.....		ID5	32	130.121	132.150	136.175	139.136	141.004
Goods.....		ID5	321	120.461	129.030	142.635	150.643	156.986
Foods.....		ID5	3211	148.144	150.149	152.199	154.229	153.269
Energy.....		ID5	3212	121.555	134.614	155.664	168.144	177.675
Goods excluding foods and energy.....		ID5	3213	127.821	129.615	131.947	133.152	134.754
Services.....		ID5	322	132.786	132.768	133.828	135.193	135.675
Trade services.....		ID5	3223	170.268	170.864	179.816	181.316	184.017
Transportation and warehousing services.....		ID5	3222	161.394	161.423	162.796	165.553	164.755
Transportation of passengers.....		ID5	32221	101.066	101.281	101.671	102.579	102.793
Transportation and warehousing of goods.....		ID5	32222	161.904	161.932	163.311	166.080	165.277
Services less trade, transportation, and warehousing.....		ID5	3221	123.417	123.342	123.754	124.755	125.413
Construction.....		ID5	323	134.006	135.414	137.063	140.048	140.885
Inputs to stage 3 construction producers.....		ID5	33	142.604	148.290	156.323	154.298	154.248
Goods.....		ID5	331	135.379	138.380	141.846	141.289	142.718
Energy.....				-	-	-	-	-
Goods excluding foods and energy.....		ID5	3313	172.505	176.330	180.745	180.036	181.856
Services.....		ID5	332	168.999	177.825	190.974	187.382	186.036
Trade services.....		ID5	3323	174.863	184.404	198.619	194.523	192.883
Transportation and warehousing services.....		ID5	3322	104.951	105.143	105.670	109.613	114.461
Transportation and warehousing of goods.....		ID5	33222	110.780	110.983	111.539	115.700	120.818
Services less trade, transportation, and warehousing.....		ID5	3321	113.743	114.786	116.115	117.521	118.095
Stage 2 Intermediate Demand								
Stage 2 intermediate demand.....		ID5	2	132.577	138.357	139.314	143.542	149.126
Inputs to stage 2 goods producers.....		ID5	21	129.024	138.813	139.270	145.802	155.505
Goods.....		ID5	211	130.688	143.047	142.964	150.963	163.186
Foods.....		ID5	2111	156.121	164.048	171.881	175.273	176.563
Energy.....		ID5	2112	103.447	122.260	117.885	129.262	149.669
Goods excluding foods and energy.....		ID5	2113	149.266	150.518	155.810	158.137	157.649
Services.....		ID5	212	134.851	135.913	138.467	140.058	141.231
Trade services.....		ID5	2123	151.711	153.931	158.893	159.804	159.721
Transportation and warehousing services.....		ID5	2122	155.111	155.596	156.957	160.459	164.309
Transportation of passengers.....		ID5	21221	110.712	114.310	126.147	129.133	132.648
Transportation and warehousing of goods.....		ID5	21222	157.803	158.081	158.750	162.280	166.147
Services less trade, transportation, and warehousing.....		ID5	2121	118.345	118.477	119.151	120.347	121.202
Construction.....		ID5	213	134.006	135.414	137.063	140.048	140.885
Inputs to stage 2 services producers.....		ID5	22	132.503	132.954	134.517	135.652	135.774

See footnotes at end of table.

Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued
 [May 2022, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Jan. 2022	Feb. 2022 ^P	Mar. 2022 ^P	Apr. 2022 ^P	May 2022 ^P
Goods.....		ID5	221	139.111	140.819	142.794	144.922	147.598
Foods.....		ID5	2211	125.347	129.174	132.916	134.581	135.740
Energy.....		ID5	2212	163.312	174.178	177.411	187.737	207.372
Goods excluding foods and energy.....		ID5	2213	138.023	139.153	141.042	142.670	144.311
Services.....		ID5	222	131.185	131.413	132.909	133.821	133.542
Trade services.....		ID5	2223	161.210	164.516	182.025	183.892	169.931
Transportation and warehousing services.....		ID5	2222	165.540	167.569	169.989	173.372	170.308
Transportation of passengers.....		ID5	22221	109.617	113.393	125.836	128.919	132.607
Transportation and warehousing of goods.....		ID5	22222	176.786	178.478	178.948	182.397	178.010
Services less trade, transportation, and warehousing.....		ID5	2221	128.194	128.104	128.584	129.264	130.012
Construction.....		ID5	223	134.006	135.414	137.063	140.048	140.885
Stage 1 Intermediate Demand								
Stage 1 intermediate demand.....		ID5	1	139.771	141.127	144.953	147.223	149.599
Inputs to stage 1 goods producers.....		ID5	11	148.107	148.296	152.101	155.088	159.007
Goods.....		ID5	111	150.297	150.758	154.539	157.924	162.414
Foods.....		ID5	1111	157.247	160.837	174.689	178.948	179.710
Energy.....		ID5	1112	129.299	134.128	134.379	141.692	152.907
Goods excluding foods and energy.....		ID5	1113	157.971	156.877	159.881	162.275	165.921
Services.....		ID5	112	145.983	145.439	149.410	151.390	153.858
Trade services.....		ID5	1123	160.017	159.413	165.414	168.235	170.790
Transportation and warehousing services.....		ID5	1122	136.427	137.034	139.645	146.388	156.069
Transportation of passengers.....		ID5	11221	109.033	112.831	125.354	128.445	132.156
Transportation and warehousing of goods.....		ID5	11222	141.818	141.604	141.656	149.252	160.342
Services less trade, transportation, and warehousing.....		ID5	1121	106.062	105.529	106.251	106.129	107.153
Construction.....		ID5	113	134.006	135.414	137.063	140.048	140.885
Inputs to stage 1 services producers.....		ID5	12	133.754	135.049	138.171	140.195	141.893
Goods.....		ID5	121	135.197	139.440	145.536	149.911	152.865
Foods.....		ID5	1211	107.269	110.496	112.656	204.765	220.474
Energy.....		ID5	1212	148.457	158.642	174.803	183.646	189.256
Goods excluding foods and energy.....		ID5	1213	136.395	137.988	139.548	141.494	143.247
Services.....		ID5	122	132.758	132.573	134.197	135.039	136.105
Trade services.....		ID5	1223	155.263	156.585	163.581	164.149	165.723
Transportation and warehousing services.....		ID5	1222	128.719	130.088	136.030	138.503	141.116
Transportation of passengers.....		ID5	12221	108.970	112.766	125.280	128.369	132.077
Transportation and warehousing of goods.....		ID5	12222	153.459	153.589	156.412	158.794	161.058
Services less trade, transportation, and warehousing.....		ID5	1221	129.624	129.058	129.468	130.120	130.913
Construction.....		ID5	123	134.006	135.414	137.063	140.048	140.885
Inputs to stage 1 construction producers.....		ID5	13	155.277	160.236	167.626	169.222	170.597
Goods.....		ID5	131	152.089	156.117	161.455	164.881	166.994
Energy.....		ID5	1312	135.382	151.153	179.085	194.019	199.873
Goods excluding foods and energy.....		ID5	1313	156.681	159.243	161.722	163.702	165.361
Services.....		ID5	132	161.602	168.398	179.839	177.823	177.743
Trade services.....		ID5	1323	169.398	177.174	189.882	186.877	185.867
Transportation and warehousing services.....		ID5	1322	123.025	125.419	131.483	134.008	138.271
Transportation and warehousing of goods.....		ID5	13222	127.254	129.730	136.002	138.614	143.023
Services less trade, transportation, and warehousing.....		ID5	1321	123.316	125.136	125.657	125.900	126.397
Intermediate Demand by Production Flow Special Groupings								
Total goods inputs to stage 4 intermediate demand.....	04/10	ID5	9411	137.711	139.395	141.603	143.293	145.196
Total services inputs to stage 4 intermediate demand.....	04/10	ID5	9412	138.834	138.847	139.846	140.552	141.558
Total construction inputs to stage 4 intermediate demand.....	04/10	ID5	9413	132.896	134.292	135.928	138.888	139.717
Total foods inputs to stage 4 intermediate demand.....	04/10	ID5	9414	141.323	144.579	149.722	153.010	153.748
Total energy goods inputs to stage 4 intermediate demand.....	04/10	ID5	9415	124.789	129.277	134.168	136.713	141.018
Total goods less foods and energy inputs to stage 4 intermediate demand.....	04/10	ID5	9416	140.203	141.264	142.666	143.996	145.728
Total goods inputs to stage 3 intermediate demand.....	04/10	ID5	9311	141.119	144.851	151.449	157.049	161.593
Total services inputs to stage 3 intermediate demand.....	04/10	ID5	9312	135.725	135.845	137.903	139.527	140.418
Total construction inputs to stage 3 intermediate demand.....	04/10	ID5	9313	132.896	134.292	135.928	138.888	139.717
Total foods inputs to stage 3 intermediate demand.....	04/10	ID5	9314	148.144	155.639	167.779	177.519	179.644
Total energy goods inputs to stage 3 intermediate demand.....	04/10	ID5	9315	123.197	135.207	154.093	167.197	177.577
Total goods less foods and energy inputs to stage 3 intermediate demand.....	04/10	ID5	9316	148.389	148.251	149.139	151.004	154.755
Total goods inputs to stage 2 intermediate demand.....	04/10	ID5	9211	125.215	135.951	136.071	143.119	153.833
Total services inputs to stage 2 intermediate demand.....	04/10	ID5	9212	132.488	132.905	134.646	135.714	135.762
Total construction inputs to stage 2 intermediate demand.....	04/10	ID5	9213	132.896	134.292	135.928	138.888	139.717
Total foods inputs to stage 2 intermediate demand.....	04/10	ID5	9214	156.647	164.570	172.398	175.789	177.085
Total energy goods inputs to stage 2 intermediate demand.....	04/10	ID5	9215	101.958	120.284	116.089	127.214	147.183
Total goods less foods and energy inputs to stage 2 intermediate demand.....	04/10	ID5	9216	138.320	139.474	143.730	145.774	145.773
Total goods inputs to stage 1 intermediate demand.....	04/10	ID5	9111	129.290	131.370	135.668	138.990	142.175
Total services inputs to stage 1 intermediate demand.....	04/10	ID5	9112	136.452	136.768	139.604	140.416	141.638

See footnotes at end of table.

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

[May 2022, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Jan. 2022	Feb. 2022 ^p	Mar. 2022 ^p	Apr. 2022 ^p	May 2022 ^p
Total construction inputs to stage 1 intermediate demand.	04/10	ID5	9117	132.896	134.292	135.928	138.888	139.717
Total foods inputs to stage 1 intermediate demand.	04/10	ID5	9114	146.952	150.324	163.112	169.009	170.048
Total energy goods inputs to stage 1 intermediate demand.	04/10	ID5	9115	134.743	143.062	153.828	162.277	169.711
Total goods less foods and energy inputs to stage 1 intermediate demand.	04/10	ID5	9116	125.015	125.440	127.451	129.249	131.432

¹ All indexes are subject to revision for 4 months after their originally scheduled publication to incorporate late reports and corrections by survey respondents. In addition, seasonally adjusted indexes are subject to change for up to 5 years due to the recalculation of seasonal factors published each January.

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

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

⁴ The PPI definition of foods does not include food and beverages for immediate consumption. PPI defines food and beverages for immediate consumption as the service of preparing meals, snacks, and beverages to customer order for immediate on-premises and off-premises consumption.

⁵ Distributive services include transportation, warehousing, and trade of goods.

⁶ Includes intermediate trade, transportation, and warehousing services.

⁷ Includes crude petroleum.

⁸ Excludes crude petroleum.

p Preliminary

"-" Data not available.