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PRODUCER PRICE INDEXES – FEBRUARY 2022

The Producer Price Index for final demand increased 0.8 percent in February, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. This rise followed advances of 1.2 percent in January and 0.4 percent in December 2021. (See table A.) On an unadjusted basis, final demand prices moved up 10.0 percent for the 12 months ended in February.

In February, the advance in the index for final demand can be attributed to prices for final demand goods, which rose 2.4 percent. The index for final demand services was unchanged.

Prices for final demand less foods, energy, and trade services rose 0.2 percent in February following a 0.8-percent increase in January. For the 12 months ended in February, the index for final demand less foods, energy, and trade services moved up 6.6 percent.

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

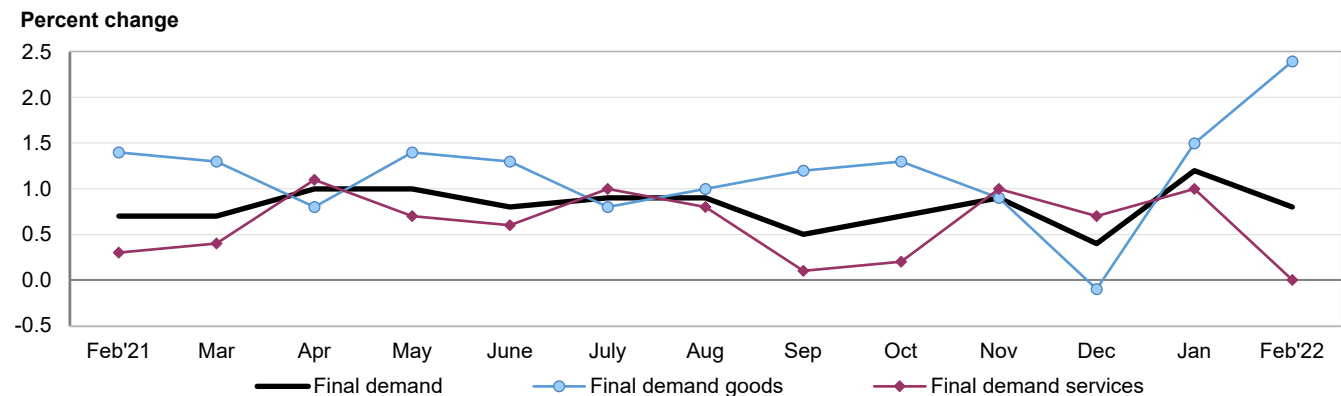
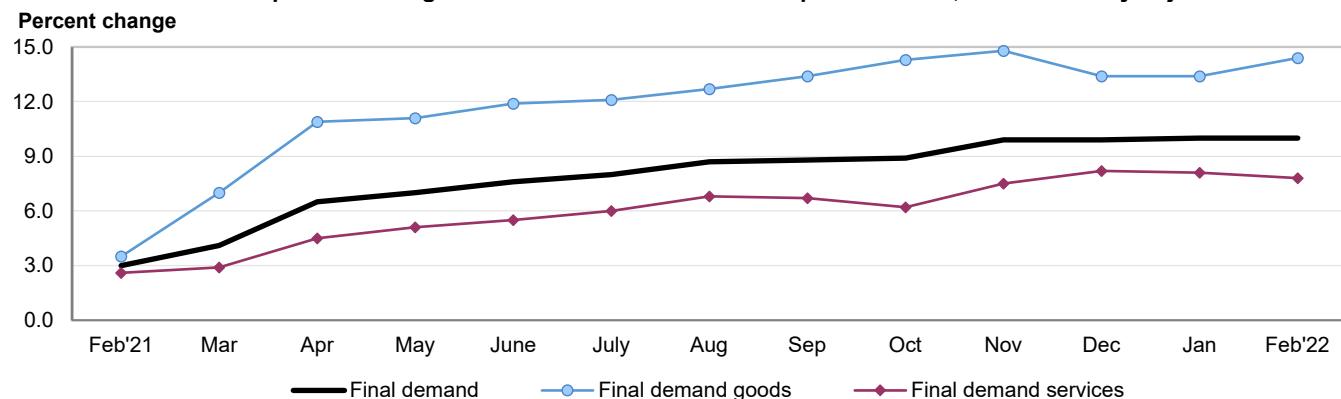


Chart 2. Twelve-month percent changes in selected PPI final demand price indexes, not seasonally adjusted



Final Demand

Final demand goods: Prices for final demand goods jumped 2.4 percent in February, the largest advance since data were first calculated in December 2009. Two-thirds of the broad-based increase can be traced to an 8.2-percent rise in the index for final demand energy. Prices for final demand goods less foods and energy and for final demand foods also moved higher, 0.7 percent and 1.9 percent, respectively.

Product detail: Nearly 40 percent of the February increase in prices for final demand goods can be attributed to the index for gasoline, which rose 14.8 percent. Prices for diesel fuel, electric power, jet fuel, motor vehicles and equipment, and dairy products also advanced. In contrast, the index for fresh and dry vegetables decreased 9.4 percent. Prices for beef and veal and for hot rolled steel sheet and strip also moved lower. (See table 2.)

Final demand services: Prices for final demand services were unchanged in February after a 1.0-percent increase in January. In February, a 1.9-percent rise in the index for final demand transportation and warehousing services and a 0.2-percent advance in margins for final demand trade services offset a 0.4-percent decrease in the index for final demand services less trade, transportation, and warehousing. (Trade indexes measure changes in margins received by wholesalers and retailers.)

Product detail: Within the index for final demand services in February, prices for truck transportation of freight moved up 2.0 percent. The indexes for food and alcohol retailing, machinery and vehicle wholesaling, transportation of passengers (partial), and outpatient care (partial) also rose. Conversely, prices for portfolio management decreased 4.2 percent. The indexes for guestroom rental; apparel, jewelry, footwear, and accessories retailing; automobile retailing (partial); and residential real estate loans (partial) also declined.

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

Month	Total final demand	Final demand less foods, energy, and trade	Final demand goods				Final demand services				Change in final demand from 12 months ago (unadj.)	Change in final demand less foods, energy, and trade from 12 mo. ago (unadj.)
			Total	Foods	Energy	Less foods and energy	Total	Trade	Transportation and warehousing	Other		
2021												
Feb....	0.7	0.4	1.4	1.2	5.6	0.5	0.3	0.3	1.2	0.2	3.0	2.3
Mar....	0.7	0.6	1.3	0.6	3.8	0.9	0.4	0.2	1.3	0.5	4.1	3.1
Apr....	1.0	0.8	0.8	1.4	-0.3	1.0	1.1	2.1	3.1	0.3	6.5	4.8
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. ¹ ...	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 ...	0.9	0.8	0.9	1.2	0.9	0.8	1.0	1.3	2.7	0.6	9.9	7.0
Dec. ¹ ...	0.4	0.4	-0.1	-0.2	-1.4	0.4	0.7	1.4	1.5	0.3	9.9	7.0
2022												
Jan. ¹ ...	1.2	0.8	1.5	1.7	3.7	0.7	1.0	1.7	0.0	0.8	10.0	6.8
Feb....	0.8	0.2	2.4	1.9	8.2	0.7	0.0	0.2	1.9	-0.4	10.0	6.6

¹ Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for October 2021 through January 2022 have been revised to reflect the availability of late reports and corrections by respondents.

Intermediate Demand by Commodity Type

Within intermediate demand in February, prices for processed goods rose 1.6 percent, the index for unprocessed goods jumped 14.6 percent, and prices for services were unchanged. (See tables B and C.)

Processed goods for intermediate demand: The index for processed goods for intermediate demand increased 1.6 percent in February after climbing 2.0 percent in January. Leading the broad-based advance in February, prices for processed energy goods rose 7.4 percent. The indexes for processed foods and feeds and for processed materials less foods and energy moved up 1.9 percent and 0.1 percent, respectively. For the 12 months ended in February, prices for processed goods for intermediate demand jumped 23.3 percent.

Product detail: Over 40 percent of the February increase in prices for processed goods for intermediate demand can be attributed to a 14.9-percent rise in the index for diesel fuel. Prices for gasoline, primary basic organic chemicals, commercial electric power, nonferrous metals, and prepared animal feeds also advanced. In contrast, the index for hot rolled steel sheet and strip fell 16.0 percent. Prices for natural gas to electric utilities and for beef and veal also declined.

Unprocessed goods for intermediate demand: Prices for unprocessed goods for intermediate demand moved up 14.6 percent in February, the largest increase since rising 17.4 percent in January 2001. Ninety percent of the broad-based advance in February can be traced to a 32.3-percent jump in the index for unprocessed energy materials. Prices for unprocessed foodstuffs and feedstuffs and for unprocessed nonfood materials less energy also moved higher, 3.0 percent and 1.4 percent, respectively. For the 12 months ended in February, the index for unprocessed goods for intermediate demand climbed 35.1 percent.

Product detail: Over two-thirds of the February advance in prices for unprocessed goods for intermediate demand can be attributed to a 65.1-percent jump in the index for natural gas. Prices for crude petroleum; slaughter hogs; hay, hayseeds, and oilseeds; nonferrous scrap; and slaughter cattle also increased. Conversely, the index for raw milk decreased 8.7 percent. Prices for carbon steel scrap and for nonferrous metal ores also moved lower.

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										
Feb.....	2.7	2.2	6.1	1.9	7.1	11.8	2.2	33.7	-0.7	29.2
Mar.....	3.4	1.4	7.3	2.7	12.4	-4.0	1.8	-13.4	1.9	34.8
Apr.....	2.1	2.4	-1.8	3.0	18.7	0.8	5.6	-4.9	1.9	59.2
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. ¹	2.4	-0.4	6.7	1.6	25.7	6.0	-2.2	17.7	-1.5	55.5
Nov. ¹	1.5	0.1	2.5	1.4	26.6	2.3	1.3	2.4	3.4	49.6
Dec. ¹	0.0	0.0	-2.6	0.7	24.4	-4.9	3.8	-12.3	-1.8	39.8
2022										
Jan. ¹	2.0	2.5	4.4	1.4	24.6	0.1	2.7	-2.2	-0.3	32.3
Feb.....	1.6	1.9	7.4	0.1	23.3	14.6	3.0	32.3	1.4	35.1

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Services for intermediate demand: The index for services for intermediate demand was unchanged in February following three consecutive advances. In February, a 0.8-percent increase in margins for trade services for intermediate demand and a 0.6-percent rise in prices for transportation and warehousing services for intermediate demand offset a 0.4-percent decline in the index for services less trade, transportation, and warehousing for intermediate demand. For the 12 months ended in February, prices for services for intermediate demand moved up 7.4 percent.

Product detail: Among prices for services for intermediate demand in February, margins for hardware, building materials, and supplies retailing advanced 6.3 percent. The indexes for machinery and equipment parts and supplies wholesaling; securities brokerage, dealing, and investment advice; truck transportation of freight; and paper and plastics products wholesaling also increased. In contrast, prices for gross rents for retail properties fell 6.8 percent. The indexes for portfolio management; loan services (partial); warehousing, storage, and related services; and chemicals and allied products wholesaling also decreased.

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

Month	Services for intermediate demand				Total, change from 12 months ago (unadj.)
	Total	Trade	Transportation and warehousing	Other	
2021					
Feb.....	0.3	0.1	1.3	0.2	3.6
Mar.....	0.6	1.2	0.9	0.5	4.3
Apr.....	1.3	2.5	2.2	0.6	7.3
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. ¹	0.0	0.6	0.5	-0.3	7.4
Nov. ¹	0.8	0.2	1.0	0.9	8.3
Dec. ¹	0.6	0.6	1.5	0.5	8.3
2022					
Jan. ¹	0.7	1.1	0.2	0.6	7.7
Feb.....	0.0	0.8	0.6	-0.4	7.4

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Intermediate Demand by Production Flow

Stage 4 intermediate demand: Prices for stage 4 intermediate demand rose 0.5 percent in February after moving up 1.4 percent in January. In February, the index for total goods inputs to stage 4 intermediate demand increased 1.3 percent. Conversely, prices for total services inputs fell 0.2 percent. (See table D.) Advances in the indexes for gasoline; diesel fuel; machinery and equipment parts and supplies wholesaling; commercial electric power; securities brokerage, dealing, and investment advice; and hardware, building materials, and supplies retailing outweighed declining prices for portfolio management, gross rents for retail properties, and hot rolled steel sheet and strip. For the 12 months ended in February, the index for stage 4 intermediate demand climbed 12.4 percent.

Stage 3 intermediate demand: Prices for stage 3 intermediate demand increased 1.0 percent in February following a 1.5-percent rise in January. In February, the index for total goods inputs to stage 3 intermediate demand advanced 1.8 percent, and prices for total services inputs edged up 0.1 percent. Increases in the indexes for diesel fuel, slaughter hogs, jet fuel, primary basic organic chemicals, gasoline, and arrangement of freight and cargo transportation outweighed decreasing prices for hot rolled steel sheet and strip, raw milk, and gross rents for retail properties. For the 12 months ended in February, the index for stage 3 intermediate demand jumped 18.4 percent.

Stage 2 intermediate demand: The index for stage 2 intermediate demand increased 6.5 percent in February after two consecutive declines. In February, prices for total goods inputs to stage 2 intermediate demand surged 13.5 percent. In contrast, the index for total services inputs inched down 0.1 percent. Rising prices for gas fuels, crude petroleum, oilseeds, primary basic organic chemicals, nonferrous scrap, and arrangement of freight and cargo transportation outweighed decreases in the indexes for loan services (partial), ethanol, and cold rolled steel sheet and strip. For the 12 months ended in February, prices for stage 2 intermediate demand advanced 19.6 percent.

Stage 1 intermediate demand: Prices for stage 1 intermediate demand moved up 0.9 percent in February following a 1.2-percent increase in January. In February, the index for total goods inputs to stage 1 intermediate demand rose 1.7 percent. Prices for total services inputs were unchanged. Advances in the indexes for diesel fuel; hardware, building materials, and supplies retailing; gasoline; primary basic organic chemicals; commercial electric power; and securities brokerage, dealing, and investment advice outweighed falling prices for hot rolled steel sheet and strip, cold rolled steel sheet and strip, and gross rents for retail properties. For the 12 months ended in February, the index for stage 1 intermediate demand climbed 16.4 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	Ser-vices inputs	Total	Goods inputs	Ser-vices inputs	Total	Goods inputs	Ser-vices inputs	Total	Goods inputs	Ser-vices inputs
2021												
Feb.....	0.8	1.5	0.2	2.1	4.0	0.5	5.5	12.4	0.2	1.5	2.8	0.2
Mar.....	1.4	1.9	0.7	2.4	4.4	0.6	-1.5	-3.9	0.6	2.2	3.7	0.9
Apr.....	1.4	1.7	1.2	2.7	4.3	1.3	0.4	-0.5	1.2	1.7	1.9	1.6
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. ¹	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	1.3	1.5	1.1	0.8	1.2	0.4	1.2	1.7	0.8	1.3	2.0	0.6
Dec. ¹	0.5	0.6	0.4	0.7	0.7	0.8	-2.3	-5.7	1.0	0.3	0.0	0.6
2022												
Jan. ¹	1.4	1.9	1.0	1.5	2.5	0.5	-0.1	-0.2	0.0	1.2	1.6	0.8
Feb.....	0.5	1.3	-0.2	1.0	1.8	0.1	6.5	13.5	-0.1	0.9	1.7	0.0

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The Producer Price Index for March 2022 is scheduled to be released on Wednesday, April 13, 2022, at 8:30 a.m. (ET).

Resampling of Industries

Effective with the release of data for February 2022, the Producer Price Index (PPI) includes data for 10 resampled industries classified according to the 2017 North American Industry Classification System (NAICS). The Bureau of Labor Statistics periodically updates the sample of producers providing data for the PPI to reflect current conditions more accurately when the structure, membership, technology, or product mix of an industry shifts. The first results of this systematic process were published in July 1986. Subsequent efforts have been completed at regular intervals.

For information on index additions, deletions, and recodes effective February 2022, see the current issue of the *PPI Detailed Report* online at www.bls.gov/ppi/detailed-report/ or contact the PPI Section of Index Analysis and Public Information at ppi-info@bls.gov or (202) 691-7705.

NAICS

<i>Code</i>	<i>Industry</i>
311423	Dried and dehydrated food manufacturing
321211	Hardwood veneer and plywood manufacturing
321918	Other millwork, including flooring
327212	Other pressed and blown glass and glassware
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding
332993	Ammunition manufacturing (except small arms), more than 30 mm.
33441K	Capacitor, resistor, coil, transformer, and other inductor manufacturing
336214	Travel trailer and camper manufacturing
336370	Motor vehicle metal stamping
621111	Offices of physicians, except mental health

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 <https://www.bls.gov/opus/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 (<https://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 <https://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 (<https://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
[February 2022]

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² Feb. 2021 to Feb. 2022 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Sept. to Oct.	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P
Final Demand									
Final demand.....	FD	4	100.000	10.0	0.7	0.9	0.4	1.2	0.8
Final demand goods.....	FD	41	33.284	14.4	1.3	0.9	-0.1	1.5	2.4
Final demand foods.....	FD	411	5.743	13.7	-0.1	1.2	-0.2	1.7	1.9
Finished consumer foods ³	FD	4111	4.430	13.4	0.3	1.3	-0.3	1.5	1.7
Finished consumer foods, crude.....	FD	41113	0.461	18.7	7.6	9.9	-3.9	-5.1	1.8
Finished consumer foods, processed.....	FD	41112	3.969	12.9	-0.5	0.4	0.2	2.3	1.6
Government purchased foods.....	FD	4112	0.406	15.4	-1.3	0.6	-0.1	2.4	1.8
Foods for export.....	FD	4113	0.907	14.7	-1.7	1.3	-0.2	2.1	3.1
Final demand energy.....	FD	412	5.998	33.8	5.0	0.9	-1.4	3.7	8.2
Finished consumer energy goods ³	FD	4121	4.795	31.3	4.4	0.8	-1.0	3.1	7.6
Government purchased energy.....	FD	4122	0.838	43.0	7.1	0.9	-3.0	6.4	9.7
Energy for export.....	FD	4123	0.365	47.7	8.1	1.2	-3.4	6.6	12.7
Final demand goods less foods and energy.....	FD	413	21.543	9.6	0.7	0.8	0.4	0.7	0.7
Finished goods less foods and energy ³	FD	4131	12.154	7.7	0.5	0.6	0.5	0.8	1.0
Finished consumer goods less foods and energy.....	FD	41311	6.483	7.4	0.5	0.6	0.6	0.7	0.9
Nondurable consumer goods less foods and energy.....	FD	413111	4.078	6.9	0.6	0.7	0.7	0.5	0.9
Durable consumer goods.....	FD	413112	2.405	8.3	0.3	0.5	0.4	0.9	0.9
Private capital equipment.....	FD	41312	5.671	8.0	0.6	0.6	0.5	1.0	1.0
Private capital equipment for manufacturing industries.....	FD	413121	1.263	10.8	0.6	0.7	0.6	1.4	1.3
Private capital equipment for nonmanufacturing industries.....	FD	413122	4.408	7.2	0.6	0.5	0.5	0.9	0.9
Government purchased goods, excluding foods and energy.....	FD	4132	2.280	9.8	0.7	0.9	0.6	1.1	0.7
Government purchased goods excluding foods, energy, and capital equipment.....	FD	41321	1.357	13.8	0.9	1.3	0.7	1.4	1.0
Government purchased capital equipment.....	FD	41322	0.923	4.4	0.3	0.3	0.4	0.6	0.2
Goods for export, excluding foods and energy.....	FD	4133	7.109	12.9	0.9	1.2	0.0	0.5	0.4
Final demand services.....	FD	42	64.964	7.8	0.2	1.0	0.7	1.0	0.0
Final demand trade services ⁴	FD	423	20.219	14.4	0.5	1.3	1.4	1.7	0.2
Trade of finished goods ³	FD	4231	17.344	14.5	0.4	1.3	1.6	1.6	0.1
Trade of personal consumption goods.....	FD	42311	14.139	13.4	-0.1	1.2	1.7	1.1	0.1
Trade of private capital equipment.....	FD	42312	3.205	19.6	2.4	1.7	1.3	4.0	0.3
Trade of government purchased goods.....	FD	4232	0.758	14.9	1.5	1.9	0.3	2.4	0.4
Trade of government purchased goods, excluding capital equipment.....	FD	42321	0.476	13.3	0.9	1.7	-0.2	1.5	0.3
Trade of government purchased capital equipment.....	FD	42322	0.282	17.7	2.5	2.3	1.1	4.0	0.6
Trade of exports.....	FD	4233	2.117	14.1	1.4	1.7	0.4	1.6	0.4
Final demand transportation and warehousing services.....	FD	422	4.383	16.6	1.1	2.7	1.5	0.0	1.9
Transportation of passengers for final demand.....	FD	4221	1.096	16.5	-1.3	5.3	3.9	-4.5	3.0
Transportation of private passengers.....	FD	42211	0.740	16.4	-1.3	5.2	3.9	-4.5	3.0
Transportation of government passengers.....	FD	42212	0.089	16.2	-1.3	5.2	3.8	-4.4	3.0
Transportation of passengers for export.....	FD	42213	0.267	16.8	-1.3	5.3	4.0	-4.5	3.0
Transportation and warehousing of goods for final demand.....	FD	4222	3.287	16.6	1.9	1.9	0.8	1.5	1.6
Transportation and warehousing of finished goods ³	FD	42221	2.162	17.0	1.9	2.0	0.8	1.5	1.6
Transportation and warehousing of personal consumption goods.....	FD	422211	1.735	16.8	1.9	2.0	0.8	1.5	1.5
Transportation and warehousing of private capital equipment.....	FD	422212	0.427	17.8	2.0	2.1	0.8	1.5	1.8
Transportation and warehousing of government purchased goods.....	FD	42222	0.198	15.3	1.8	1.6	0.9	1.5	1.0
Transportation and warehousing of exports.....	FD	42223	0.927	16.0	1.8	1.9	0.7	1.7	1.6
Final demand services less trade, transportation, and warehousing.....	FD	421	40.362	3.8	-0.1	0.6	0.3	0.8	-0.4
Finished services less trade, transportation, and warehousing ³	FD	4211	35.383	3.8	0.0	0.6	0.3	0.8	-0.3
Finished consumer services less trade, transportation, and warehousing.....	FD	42111	31.725	3.4	-0.1	0.7	0.2	0.7	-0.4
Private capital investment services less trade, transportation, and warehousing.....	FD	42112	3.658	7.0	0.5	0.1	0.7	1.3	0.0
Government purchased services less trade, transportation, and warehousing.....	FD	4212	2.491	3.5	-0.2	0.6	0.3	0.8	-0.2
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....	FD	42121	2.385	3.5	-0.2	0.6	0.3	0.8	-0.2
Government purchased capital investment services less trade, transportation, and warehousing.....	FD	42122	0.106	1.3	0.8	-0.2	0.2	-0.2	-1.1
Services for export less trade, transportation, and warehousing.....	FD	4213	2.488	3.6	-0.5	1.1	0.1	0.9	-0.9
Final demand construction.....	FD	43	1.749	16.6	5.9	0.4	0.3	3.6	0.6
Construction for private capital investment.....	FD	431	1.139	18.3	6.8	0.4	0.4	4.0	0.7
Construction for government.....	FD	432	0.610	13.4	4.3	0.3	0.1	2.8	0.5
Special Groupings of Final Demand									
Final demand less exports.....	FD	49101	85.820	9.6	0.6	0.9	0.5	1.2	0.8
Final demand less government.....	FD	49102	92.330	9.8	0.6	1.0	0.5	1.1	0.7

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² Feb. 2021 to Feb. 2022 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Sept. to Oct.	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy ⁵	FD	49103	87.753	8.5	0.4	1.0	0.6	1.0	0.2
Final demand less foods and energy ⁵	FD	49104	88.259	8.4	0.4	0.9	0.6	1.0	0.2
Final demand less foods and food and nonalcoholic beverages for immediate consumption ⁵	FD	49105	93.751	10.0	0.7	1.0	0.5	1.2	0.8
Final demand less foods ⁵	FD	49106	94.257	9.8	0.7	0.9	0.5	1.2	0.7
Final demand less energy.....	FD	49107	94.002	8.7	0.4	1.0	0.6	1.0	0.3
Final demand less trade services.....	FD	49108	79.781	9.0	0.7	0.8	0.2	1.1	0.9
Final demand less distributive services ⁶	FD	49109	76.494	8.6	0.7	0.8	0.2	1.1	0.9
Final demand goods less energy.....	FD	49111	27.286	10.4	0.5	0.9	0.2	0.9	1.0
Final demand goods less foods.....	FD	49112	27.541	14.5	1.6	0.8	0.0	1.4	2.5
Final demand services less trade services.....	FD	49113	44.745	4.9	0.0	0.8	0.4	0.7	-0.1
Final demand distributive services ⁶	FD	49114	23.506	14.8	0.7	1.4	1.3	1.6	0.4
Final demand goods plus final demand distributive services ⁶	FD	49115	56.790	14.5	1.1	1.1	0.5	1.5	1.5
Final demand less foods, energy, and trade services ⁵	FD	49116	68.040	6.6	0.4	0.8	0.4	0.8	0.2
Private and government purchased capital equipment.....	FD	49117	6.594	7.5	0.6	0.5	0.5	0.9	0.9
Private and government purchased capital investment services.....	FD	49118	7.678	12.9	1.5	0.9	1.0	2.5	0.2
Total private and government purchased capital investment.....	FD	49119	14.272	11.0	1.6	0.7	0.7	2.0	0.5
Total finished ³	FD	49201	78.147	9.4	0.6	0.9	0.5	1.2	0.7
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy ^{3, 5}	FD	49202	68.421	7.8	0.3	0.9	0.7	1.0	0.1
Total finished less foods and energy ^{3, 5}	FD	49203	68.922	7.8	0.3	0.9	0.7	1.0	0.1
Total finished less foods and food and nonalcoholic beverages for immediate consumption ⁵	FD	49204	73.216	9.3	0.6	0.9	0.6	1.2	0.7
Total finished less foods ^{3, 5}	FD	49205	73.717	9.2	0.6	0.9	0.6	1.2	0.6
Total finished less energy ³	FD	49206	73.352	8.1	0.3	0.9	0.6	1.0	0.2
Finished goods ³	FD	49207	21.379	13.8	1.4	0.8	0.0	1.5	2.7
Finished goods less energy ³	FD	49208	16.584	9.2	0.5	0.8	0.3	1.0	1.2
Finished goods, excluding foods ^{3, 5}	FD	49209	16.949	13.8	1.7	0.7	0.1	1.5	2.9
Finished services ³	FD	49210	55.629	7.6	0.2	0.9	0.8	1.0	-0.1
Private capital investment services.....	FD	49211	7.290	12.8	1.4	0.9	1.0	2.5	0.3
Finished distributive services ^{3, 6}	FD	49212	19.506	14.7	0.6	1.3	1.5	1.6	0.3
Finished services less trade services ³	FD	49213	38.285	4.7	0.1	0.8	0.4	0.7	-0.2
Finished services less distributive services ^{3, 6}	FD	49214	36.123	4.1	-0.1	0.7	0.3	0.7	-0.3
Total private capital investment (goods, services, and construction).....	FD	49215	14.100	11.3	1.5	0.7	0.7	2.0	0.6
Finished goods plus finished distributive services ^{3, 6}	FD	49216	40.885	14.3	1.0	1.1	0.7	1.5	1.5
Total exports.....	FD	49301	14.180	12.5	0.8	1.4	0.1	1.0	0.8
Goods for export.....	FD	49302	8.381	14.5	0.9	1.2	-0.1	1.0	1.3
Services for export.....	FD	49303	5.799	9.7	0.5	1.6	0.5	1.0	0.2
Total government purchases.....	FD	49401	7.670	12.1	1.3	0.9	0.0	1.8	1.5
Government purchased goods.....	FD	49402	3.524	17.6	1.9	0.8	-0.4	2.5	3.1
Government purchased services.....	FD	49403	3.536	6.7	0.2	1.0	0.4	1.0	0.1
Total government purchased capital investment (goods, services, construction).....	FD	49404	1.921	8.8	1.9	0.5	0.4	1.7	0.3
Personal consumption.....	FD	49501	64.047	9.0	0.4	0.9	0.5	1.0	0.7
Personal consumption goods (finished consumer goods).....	FD	49502	15.708	16.0	1.7	0.9	-0.2	1.7	3.3
Personal consumption goods less energy.....	FD	49503	10.913	9.8	0.4	0.9	0.2	1.0	1.2
Personal consumption goods less foods.....	FD	49504	11.278	16.9	2.2	0.7	-0.1	1.7	3.9
Personal consumption nondurable goods less foods.....	FD	49508	8.873	19.4	2.7	0.8	-0.2	1.9	4.7
Personal consumption services.....	FD	49505	48.339	6.9	0.0	0.9	0.7	0.8	-0.1
Personal consumption less trade services.....	FD	49506	49.908	7.8	0.5	0.8	0.2	1.0	0.9
Personal consumption less distributive services ⁶	FD	49507	48.173	7.5	0.5	0.8	0.1	0.9	0.9
Personal consumption less foods and energy.....	FD	49510	54.822	6.9	0.0	0.9	0.7	0.8	0.0
Personal consumption less foods, energy, and trade services ⁴	FD	49511	40.683	4.8	0.1	0.8	0.4	0.6	0.0
Personal consumption less foods, energy, and distributive services ⁶	FD	49512	38.948	4.3	0.0	0.7	0.3	0.6	-0.1
Personal consumption goods plus personal consumption distributive services ⁶	FD	49509	31.582	14.8	0.9	1.1	0.7	1.4	1.8
Intermediate Demand by Commodity Type									
Processed goods									
Processed goods for intermediate demand.....	ID6	1	100.000	23.3	2.4	1.5	0.0	2.0	1.6
Materials and components for manufacturing.....	ID6	11	46.096	22.6	1.6	1.2	0.3	1.0	-0.3
Materials for manufacturing.....	ID6	111	30.586	29.0	1.9	1.4	0.0	0.9	-0.8
Materials for food manufacturing.....	ID6	1111	4.053	18.0	-0.4	0.2	0.1	2.6	2.0
Materials for nondurable manufacturing.....	ID6	1112	13.367	23.7	1.5	1.4	-0.5	0.2	1.4
Materials for durable manufacturing.....	ID6	1113	13.166	39.2	3.1	1.8	0.5	1.1	-3.9
Components for manufacturing.....	ID6	112	15.510	12.0	1.1	0.8	0.9	1.3	0.6
Components for nondurable manufacturing.....	ID6	1121	8.006	21.0	2.3	1.6	1.3	1.5	0.7
Components for durable manufacturing.....	ID6	1122	14.704	11.5	1.1	0.8	0.8	1.3	0.6

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² Feb. 2021 to Feb. 2022 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Sept. to Oct.	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P
Materials and components for construction.....	ID6	12	9.003	23.5	1.4	1.8	1.9	3.1	1.2
Materials for construction.....	ID6	121	3.829	17.4	1.0	1.5	2.4	5.0	1.4
Components for construction.....	ID6	122	5.174	28.6	1.7	2.0	1.5	1.6	1.1
Processed fuels and lubricants for intermediate demand.....	ID6	13	18.697	37.9	6.7	2.5	-2.6	4.4	7.4
Processed fuels and lubricants to manufacturing industries.....	ID6	131	4.640	29.5	4.5	0.1	-0.8	3.5	5.5
Processed fuels and lubricants to nonmanufacturing industries.....	ID6	132	14.057	41.0	7.4	3.3	-3.2	4.6	8.0
Containers for intermediate demand.....	ID6	14	2.781	20.3	2.6	0.9	1.0	3.4	1.4
Supplies for intermediate demand.....	ID6	15	23.422	14.4	0.9	1.1	0.7	1.5	1.0
Supplies to manufacturing industries.....	ID6	151	3.215	16.9	1.5	1.3	0.4	1.2	0.9
Supplies to nonmanufacturing industries.....	ID6	152	20.207	14.1	0.8	1.0	0.7	1.6	1.0
Supplies to nonmanufacturing industries, feeds.....	ID6	1521	1.713	11.8	0.0	-0.4	-0.4	2.5	2.3
Supplies to nonmanufacturing industries, other than feeds.....	ID6	1522	18.494	14.3	0.9	1.2	0.8	1.5	0.9
Unprocessed goods									
Unprocessed goods for intermediate demand.....	ID6	2	100.000	35.1	6.0	2.3	-4.9	0.1	14.6
Unprocessed foodstuffs and feedstuffs.....	ID6	21	32.314	27.2	-2.2	1.3	3.8	2.7	3.0
Unprocessed nonfood materials.....	ID6	22	67.685	38.8	10.2	2.7	-8.6	-1.2	20.4
Unprocessed nonfood materials except fuel.....	ID6	221	44.356	35.7	5.0	2.2	-6.1	6.4	7.2
Unprocessed nonfood materials except fuel to manufacturing industries.....	ID6	2211	42.325	37.2	5.2	2.3	-6.4	6.6	7.5
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	ID6	2212	2.031	7.7	0.2	0.6	0.0	2.5	1.6
Unprocessed fuel.....	ID6	222	23.329	44.7	21.4	3.6	-13.3	-16.2	53.6
Unprocessed fuel to manufacturing industries.....	ID6	2221	1.185	33.6	6.2	2.2	-6.3	5.4	18.9
Unprocessed fuel to nonmanufacturing industries.....	ID6	2222	22.144	45.3	22.2	3.6	-13.6	-17.4	56.0
Services									
Services for intermediate demand.....	ID6	3	100.000	7.4	0.0	0.8	0.6	0.7	0.0
Trade services for intermediate demand ⁴	ID6	33	22.363	14.2	0.6	0.2	0.6	1.1	0.8
Trade services for manufacturing industries.....	ID6	331	11.460	14.3	0.8	0.4	0.4	0.3	0.4
Trade services for nonmanufacturing industries.....	ID6	332	10.903	14.0	0.4	0.1	0.8	1.9	1.2
Transportation and warehousing services for intermediate demand.....	ID6	32	13.287	14.6	0.5	1.0	1.5	0.2	0.6
Transportation of passengers for intermediate demand.....	ID6	321	0.978	16.3	-1.2	5.2	3.8	-4.4	3.0
Transportation of passengers for manufacturing industries.....	ID6	3211	0.115	16.8	-1.3	5.3	4.0	-4.5	3.0
Transportation of passengers for nonmanufacturing industries.....	ID6	3212	0.863	16.2	-1.2	5.1	3.8	-4.4	2.9
Transportation and warehousing of goods for intermediate demand.....	ID6	322	12.309	14.4	0.7	0.6	1.3	0.6	0.4
Transportation and warehousing of goods for manufacturing industries.....	ID6	3221	2.502	14.0	1.6	1.5	0.8	1.3	1.3
Transportation and warehousing of goods for nonmanufacturing industries.....	ID6	3222	9.807	14.5	0.4	0.4	1.4	0.4	0.2
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	64.350	3.8	-0.3	0.9	0.5	0.6	-0.4
Services less trade, transportation, and warehousing for manufacturing industries.....	ID6	311	2.044	5.6	1.0	0.4	0.5	0.6	0.5
Services less trade, transportation, and warehousing for nonmanufacturing industries.....	ID6	312	62.306	3.7	-0.4	0.9	0.5	0.6	-0.4
Construction									
Construction for intermediate demand.....	ID6	4	100.000	11.5	0.2	0.5	0.0	1.1	0.8
Special Groupings of Intermediate Demand by Commodity Type									
Processed materials less foods and feeds.....	ID6	9111	92.172	24.0	2.7	1.6	0.0	2.0	1.6
Processed foods and feeds.....	ID6	9112	7.828	15.5	-0.4	0.1	0.0	2.5	1.9
Processed energy goods.....	ID6	9113	18.697	38.0	6.7	2.5	-2.6	4.4	7.4
Processed materials less energy.....	ID6	9118	81.303	20.1	1.4	1.2	0.6	1.5	0.3
Processed materials less foods and energy.....	ID6	9115	73.475	20.6	1.6	1.4	0.7	1.4	0.1
Intermediate distributive services ⁷	ID6	9116	34.672	14.3	0.6	0.4	0.8	0.9	0.7
Processed goods plus intermediate distributive services.....	ID6	9117	-	20.6	1.9	1.2	0.2	1.7	1.4
Unprocessed materials less agricultural products.....	ID6	9211	62.579	41.0	11.5	2.5	-9.4	-1.8	22.9
Unprocessed energy materials ⁸	ID6	9212	42.184	52.8	17.7	2.4	-12.3	-2.2	32.3
Unprocessed materials less energy.....	ID6	9213	57.816	22.7	-1.7	2.2	1.4	1.5	2.4
Unprocessed nonfood materials less energy ⁹	ID6	9216	25.502	15.5	-1.5	3.4	-1.8	-0.3	1.4
Intermediate Demand by Production Flow									
Stage 4 Intermediate Demand									
Stage 4 intermediate demand.....	ID5	4	100.000	12.4	0.6	1.3	0.5	1.4	0.5
Inputs to stage 4 goods producers.....	ID5	41	32.889	15.6	1.2	1.4	0.4	1.4	0.5
Goods.....	ID5	411	23.198	16.2	1.2	1.3	0.5	1.4	0.4
Foods.....	ID5	4111	3.174	17.3	-0.5	2.4	0.0	1.6	2.4
Energy.....	ID5	4112	0.190	33.9	4.5	3.6	4.2	0.9	6.6

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² Feb. 2021 to Feb. 2022 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Sept. to Oct.	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P
Goods excluding foods and energy.....	ID5	4113	19.834	15.9	1.5	1.1	0.5	1.4	0.0
Services.....	ID5	412	9.691	13.8	1.2	1.7	0.3	1.2	0.7
Trade services.....	ID5	4123	7.740	15.6	1.4	2.0	0.2	1.3	0.7
Transportation and warehousing services.....	ID5	4122	0.474	12.3	1.0	1.9	1.2	0.5	1.2
Transportation of passengers.....	ID5	41221	0.065	16.8	-1.3	5.3	4.0	-4.5	3.0
Transportation and warehousing of goods.....	ID5	41222	0.409	11.7	1.3	1.4	0.8	1.3	0.9
Services less trade, transportation, and warehousing.....	ID5	4121	1.477	5.6	0.8	0.3	0.4	1.3	0.2
Inputs to stage 4 services producers.....	ID5	42	52.465	8.2	0.0	1.2	0.4	1.1	0.1
Goods.....	ID5	421	13.952	15.8	1.2	1.4	0.2	1.9	2.0
Foods.....	ID5	4211	2.324	16.2	-1.1	0.1	0.3	1.1	2.2
Energy.....	ID5	4212	3.769	23.0	3.3	2.9	-1.7	3.7	4.1
Goods excluding foods and energy.....	ID5	4213	7.859	12.4	0.8	1.2	1.1	1.4	0.8
Services.....	ID5	422	38.427	5.7	-0.3	1.1	0.5	0.8	-0.6
Trade services.....	ID5	4223	4.502	13.3	1.3	1.5	0.3	1.0	0.5
Transportation and warehousing services.....	ID5	4222	3.234	12.8	0.8	0.7	1.8	0.8	-0.4
Transportation of passengers.....	ID5	42221	0.413	16.6	-1.3	5.3	3.9	-4.5	3.0
Transportation and warehousing of goods.....	ID5	42222	2.821	12.2	1.1	0.1	1.4	1.6	-0.9
Services less trade, transportation, and warehousing.....	ID5	4221	30.691	3.9	-0.7	1.1	0.4	0.8	-0.7
Construction.....	ID5	423	0.086	11.5	0.2	0.5	0.0	1.1	0.8
Inputs to stage 4 construction producers.....	ID5	43	14.643	21.1	1.4	1.1	1.2	2.7	1.8
Goods.....	ID5	431	10.507	24.7	1.8	1.9	1.5	3.1	2.2
Energy.....	ID5	4312	0.846	54.5	7.3	2.0	-1.1	3.5	13.0
Goods excluding foods and energy.....	ID5	4313	9.661	22.4	1.3	1.9	1.7	3.0	1.2
Services.....	ID5	432	4.136	12.6	0.6	-0.9	0.5	1.9	0.9
Trade services.....	ID5	4323	2.037	18.0	0.5	-2.5	0.7	2.0	1.2
Transportation and warehousing services.....	ID5	4322	0.611	16.7	1.8	2.1	0.9	1.4	1.6
Transportation of passengers.....	ID5	43221	0.013	16.7	-1.3	5.3	3.9	-4.5	3.0
Transportation and warehousing of goods.....	ID5	43222	0.598	16.7	1.9	2.1	0.8	1.5	1.6
Services less trade, transportation, and warehousing.....	ID5	4321	1.488	4.4	0.3	0.2	0.1	1.9	0.1
Stage 3 Intermediate Demand									
Stage 3 intermediate demand.....	ID5	3	100.000	18.4	1.0	0.8	0.7	1.5	1.0
Inputs to stage 3 goods producers.....	ID5	31	49.671	25.5	0.8	0.9	1.3	1.4	0.3
Goods.....	ID5	311	40.111	28.5	0.9	1.3	1.5	1.8	0.2
Foods.....	ID5	3111	10.917	29.2	-2.5	0.5	5.5	4.1	1.5
Energy.....	ID5	3112	1.560	42.6	7.3	6.6	0.7	-0.2	6.7
Goods excluding foods and energy.....	ID5	3113	27.634	27.9	2.2	1.3	0.0	0.9	-0.7
Services.....	ID5	312	9.560	13.9	0.7	-0.8	0.8	0.0	0.6
Trade services.....	ID5	3123	5.718	15.0	0.2	-2.1	0.8	-0.8	0.2
Transportation and warehousing services.....	ID5	3122	2.547	15.6	1.6	1.8	0.9	1.2	1.5
Transportation of passengers.....	ID5	31221	0.118	16.8	-1.3	5.3	4.0	-4.5	3.0
Transportation and warehousing of goods.....	ID5	31222	2.429	15.5	1.7	1.6	0.8	1.5	1.4
Services less trade, transportation, and warehousing.....	ID5	3121	1.295	6.7	1.2	0.4	0.5	1.0	0.6
Inputs to stage 3 services producers.....	ID5	32	48.940	11.9	1.2	0.8	0.1	1.5	1.6
Goods.....	ID5	321	10.345	35.6	5.8	0.6	-2.3	5.1	7.9
Foods.....	ID5	3211	0.089	9.0	0.4	0.9	0.8	2.6	1.5
Energy.....	ID5	3212	6.121	52.3	9.0	0.1	-4.1	7.6	12.1
Goods excluding foods and energy.....	ID5	3213	4.135	14.6	1.1	1.4	0.3	1.3	1.3
Services.....	ID5	322	37.680	6.3	0.0	0.8	0.8	0.5	-0.2
Trade services.....	ID5	3223	2.608	14.1	-0.2	0.8	-0.3	1.6	0.2
Transportation and warehousing services.....	ID5	3222	8.849	14.4	-0.3	0.2	1.6	-0.2	0.1
Transportation of passengers.....	ID5	32221	0.022	1.3	-0.1	0.1	0.0	-0.5	0.2
Transportation and warehousing of goods.....	ID5	32222	8.827	14.4	-0.3	0.2	1.6	-0.2	0.1
Services less trade, transportation, and warehousing.....	ID5	3221	26.223	3.1	0.1	1.0	0.7	0.6	-0.3
Construction.....	ID5	323	0.915	11.5	0.2	0.5	0.0	1.1	0.8
Inputs to stage 3 construction producers.....	ID5	33	1.388	18.2	1.0	-1.1	1.7	5.3	2.7
Goods.....	ID5	331	0.580	23.3	1.7	1.7	2.2	4.8	1.2
Goods excluding foods and energy.....	ID5	3313	0.580	23.3	1.7	1.7	2.2	4.8	1.2
Services.....	ID5	332	0.808	14.9	0.5	-2.9	1.3	5.7	3.7
Trade services.....	ID5	3323	0.766	15.3	0.4	-3.1	1.3	6.0	3.8
Transportation and warehousing services.....	ID5	3322	0.015	11.1	1.4	0.7	1.0	1.2	0.6
Transportation and warehousing of goods.....	ID5	33222	0.015	11.1	1.4	0.7	1.0	1.2	0.6
Services less trade, transportation, and warehousing.....	ID5	3321	0.027	6.7	1.9	0.8	0.7	-0.6	0.7
Stage 2 Intermediate Demand									
Stage 2 intermediate demand.....	ID5	2	100.000	19.6	3.7	1.2	-2.3	-0.1	6.5
Inputs to stage 2 goods producers.....	ID5	21	54.815	29.4	6.9	1.4	-4.9	-0.3	11.8

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² Feb. 2021 to Feb. 2022 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Sept. to Oct.	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P	Jan. to Feb. ^P
Goods.....	ID5	211	42.661	35.7	8.7	1.7	-6.4	-0.4	15.1
Foods.....	ID5	2111	3.184	13.5	-2.3	-0.8	0.1	4.4	5.0
Energy.....	ID5	2112	19.750	53.3	17.6	1.8	-12.5	-1.6	31.1
Goods excluding foods and energy.....	ID5	2113	19.727	21.5	1.4	1.9	-0.2	0.2	0.5
Services.....	ID5	212	11.685	8.6	0.9	0.2	0.9	0.0	0.3
Trade services.....	ID5	2123	5.350	10.4	1.0	-0.3	1.0	-0.4	0.3
Transportation and warehousing services.....	ID5	2122	3.353	9.3	0.9	0.6	1.1	0.4	0.6
Transportation of passengers.....	ID5	21221	0.154	15.5	-1.2	4.9	3.7	-4.2	2.8
Transportation and warehousing of goods.....	ID5	21222	3.199	9.0	1.0	0.4	0.9	0.7	0.5
Services less trade, transportation, and warehousing.....	ID5	2121	2.982	5.1	0.7	0.5	0.5	0.1	-0.1
Construction.....	ID5	213	0.469	11.5	0.2	0.5	0.0	1.1	0.8
Inputs to stage 2 services producers.....	ID5	22	45.184	8.3	-0.1	1.1	1.0	0.2	0.0
Goods.....	ID5	221	5.823	19.5	1.7	1.9	0.6	1.0	1.1
Foods.....	ID5	2211	0.032	16.4	0.3	0.6	0.7	2.9	1.8
Energy.....	ID5	2212	0.396	57.7	11.7	8.9	-4.3	1.7	6.6
Goods excluding foods and energy.....	ID5	2213	5.395	17.4	1.1	1.4	1.0	1.0	0.7
Services.....	ID5	222	37.793	6.6	-0.4	1.0	1.1	0.0	-0.2
Trade services.....	ID5	2223	2.550	14.0	-1.9	4.2	3.7	-2.2	-0.5
Transportation and warehousing services.....	ID5	2222	3.079	28.2	-1.6	0.5	3.5	-3.2	1.2
Transportation of passengers.....	ID5	22221	0.352	16.5	-1.3	5.3	3.9	-4.5	3.0
Transportation and warehousing of goods.....	ID5	22222	2.727	29.9	-1.6	-0.1	3.4	-3.1	1.0
Services less trade, transportation, and warehousing.....	ID5	2221	32.164	4.5	-0.2	0.8	0.7	0.5	-0.3
Construction.....	ID5	223	1.568	11.5	0.2	0.5	0.0	1.1	0.8
Stage 1 Intermediate Demand									
Stage 1 intermediate demand.....	ID5	1	100.000	16.4	1.1	1.3	0.3	1.2	0.9
Inputs to stage 1 goods producers.....	ID5	11	35.393	23.2	1.8	1.9	0.1	0.1	0.1
Goods.....	ID5	111	26.061	28.4	2.4	3.0	-0.2	0.3	0.2
Foods.....	ID5	1111	3.173	17.3	-2.4	2.0	1.3	1.3	2.3
Energy.....	ID5	1112	3.734	39.5	8.4	7.7	-2.2	0.8	4.3
Goods excluding foods and energy.....	ID5	1113	19.154	28.5	2.1	2.2	0.0	0.0	-0.9
Services.....	ID5	112	9.331	10.6	0.2	-1.1	0.9	-0.4	-0.2
Trade services.....	ID5	1123	6.049	13.0	0.2	-2.1	0.9	-1.3	-0.1
Transportation and warehousing services.....	ID5	1122	0.488	15.7	1.9	1.4	2.4	-0.1	1.5
Transportation of passengers.....	ID5	11221	0.084	16.8	-1.3	5.3	4.0	-4.5	3.0
Transportation and warehousing of goods.....	ID5	11222	0.404	15.5	2.5	0.6	2.1	0.8	1.2
Services less trade, transportation, and warehousing.....	ID5	1121	2.794	5.0	0.0	0.6	0.5	1.4	-0.6
Construction.....	ID5	113	0.001	11.5	0.2	0.5	0.0	1.1	0.8
Inputs to stage 1 services producers.....	ID5	12	51.748	11.3	0.6	1.3	0.3	1.4	1.0
Goods.....	ID5	121	17.248	21.9	2.9	1.1	-0.1	3.0	3.7
Foods.....	ID5	1211	0.051	15.2	1.4	1.6	0.2	2.2	2.9
Energy.....	ID5	1212	5.794	37.8	6.5	0.6	-2.0	5.2	8.5
Goods excluding foods and energy.....	ID5	1213	11.403	14.6	1.1	1.3	1.0	1.8	1.2
Services.....	ID5	122	34.495	6.5	-0.5	1.4	0.5	0.6	-0.4
Trade services.....	ID5	1223	3.803	15.4	0.5	1.7	0.0	1.7	0.6
Transportation and warehousing services.....	ID5	1222	3.609	13.1	0.6	2.1	1.6	-0.6	1.0
Transportation of passengers.....	ID5	12221	1.091	16.7	-1.3	5.3	4.0	-4.5	3.0
Transportation and warehousing of goods.....	ID5	12222	2.518	11.7	1.3	0.9	0.6	1.1	0.1
Services less trade, transportation, and warehousing.....	ID5	1221	27.083	4.5	-0.8	1.3	0.5	0.6	-0.7
Construction.....	ID5	123	0.005	11.5	0.2	0.5	0.0	1.1	0.8
Inputs to stage 1 construction producers.....	ID5	13	12.858	20.0	1.4	-0.1	0.9	3.5	2.6
Goods.....	ID5	131	8.466	22.6	2.1	1.0	0.9	2.8	2.3
Energy.....	ID5	1312	0.829	53.2	9.5	-2.6	-2.1	7.8	12.4
Goods excluding foods and energy.....	ID5	1313	7.637	19.6	1.3	1.4	1.2	2.3	1.2
Services.....	ID5	132	4.392	15.7	0.3	-2.0	0.9	4.8	3.2
Trade services.....	ID5	1323	3.727	15.4	0.0	-2.7	1.0	5.4	3.4
Transportation and warehousing services.....	ID5	1322	0.609	19.0	2.2	2.3	0.9	1.6	2.0
Transportation and warehousing of goods.....	ID5	13222	0.609	19.0	2.2	2.3	0.9	1.6	2.0
Services less trade, transportation, and warehousing.....	ID5	1321	0.056	4.5	0.4	0.6	0.1	0.1	1.3
Special Groupings of Intermediate Demand by Production Flow									
Total goods inputs to stage 4 intermediate demand.....	ID5	9411	47.657	17.9	1.3	1.5	0.6	1.9	1.3
Total services inputs to stage 4 intermediate demand.....	ID5	9412	52.254	7.6	0.0	1.1	0.4	1.0	-0.2
Total construction inputs to stage 4 intermediate demand.....	ID5	9413	0.086	11.5	0.2	0.5	0.0	1.1	0.8
Total foods inputs to stage 4 intermediate demand.....	ID5	9414	5.498	16.8	-0.8	1.4	0.1	1.4	2.3
Total energy goods inputs to stage 4 intermediate demand.....	ID5	9415	4.805	28.3	4.1	2.8	-1.4	3.5	5.8
Total goods less foods and energy inputs to stage 4 intermediate demand.....	ID5	9416	37.354	16.8	1.3	1.3	0.9	1.8	0.5

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² Feb. 2021 to Feb. 2022 ^p	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Sept. to Oct.	Oct. to Nov. ^p	Nov. to Dec. ^p	Dec. to Jan. ^p	Jan. to Feb. ^p
Total goods inputs to stage 3 intermediate demand.....	ID5	9311	51.036	30.0	1.9	1.2	0.7	2.5	1.8
Total services inputs to stage 3 intermediate demand.....	ID5	9312	48.048	7.9	0.2	0.4	0.8	0.5	0.1
Total construction inputs to stage 3 intermediate demand.....	ID5	9313	0.915	11.5	0.2	0.5	0.0	1.1	0.8
Total foods inputs to stage 3 intermediate demand.....	ID5	9314	11.006	29.0	-2.5	0.5	5.4	4.1	1.5
Total energy goods inputs to stage 3 intermediate demand.....	ID5	9315	7.681	50.4	8.7	1.4	-3.1	6.0	11.1
Total goods less foods and energy inputs to stage 3 intermediate demand.....	ID5	9316	32.349	25.9	2.0	1.4	0.0	1.0	-0.4
Total goods inputs to stage 2 intermediate demand.....	ID5	9211	48.484	33.9	7.9	1.7	-5.7	-0.2	13.5
Total services inputs to stage 2 intermediate demand.....	ID5	9212	49.478	7.1	-0.1	0.8	1.0	0.0	-0.1
Total construction inputs to stage 2 intermediate demand.....	ID5	9213	2.037	11.5	0.2	0.5	0.0	1.1	0.8
Total foods inputs to stage 2 intermediate demand.....	ID5	9214	3.216	13.6	-2.2	-0.8	0.2	4.3	5.0
Total energy goods inputs to stage 2 intermediate demand.....	ID5	9215	20.146	53.2	17.5	1.9	-12.4	-1.5	30.7
Total goods less foods and energy inputs to stage 2 intermediate demand.....	ID5	9216	25.122	20.6	1.4	1.8	0.0	0.3	0.5
Total goods inputs to stage 1 intermediate demand.....	ID5	9111	51.775	25.2	2.5	2.0	0.0	1.6	1.7
Total services inputs to stage 1 intermediate demand.....	ID5	9112	48.218	8.1	-0.3	0.6	0.6	0.8	0.0
Total construction inputs to stage 1 intermediate demand.....	ID5	9117	0.006	11.5	0.2	0.5	0.0	1.1	0.8
Total foods inputs to stage 1 intermediate demand.....	ID5	9114	3.224	17.2	-2.3	2.0	1.3	1.3	2.3
Total energy goods inputs to stage 1 intermediate demand.....	ID5	9115	10.357	39.6	7.4	2.8	-2.1	3.8	7.4
Total goods less foods and energy inputs to stage 1 intermediate demand.....	ID5	9116	38.194	22.2	1.6	1.8	0.5	1.0	0.1

¹ Comprehensive relative importance figures are initially computed after the publication of December indexes and are recalculated after final December indexes are available. Individual items and subtotals may not add exactly to totals because of rounding differences.

² All indexes are subject to revision for 4 months after their originally scheduled publication to incorporate late reports and corrections by survey respondents. In addition, seasonally adjusted indexes are subject to change for up to 5 years due to the recalculation of seasonal factors published each January.

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

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

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
[February 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Feb. 2021 to Feb. 2022 ^P	Sept. to Oct.	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P
Final Demand								
Final demand.....	FD	4	10.0	0.7	0.9	0.4	1.2	0.8
Final demand goods.....	FD	41	14.4	1.3	0.9	-0.1	1.5	2.4
Final demand foods.....	FD	411	13.7	-0.1	1.2	-0.2	1.7	1.9
Fresh fruits and melons ²	01	11	13.3	0.1	20.1	-5.5	3.9	4.5
Fresh and dry vegetables ²	01	13	17.5	17.7	11.5	-14.9	-3.5	-9.4
Grains.....	01	2	20.0	-4.5	4.5	3.2	0.4	1.7
Eggs for fresh use ²	01	7107	31.2	-12.1	-5.5	46.9	-17.6	31.3
Oilseeds.....	01	8301	10.4	-5.9	-1.6	0.5	8.7	9.2
Bakery products ²	02	11	9.6	0.2	1.1	0.7	2.3	2.5
Milled rice ²	02	13	12.9	0.9	0.7	0.4	0.6	4.3
Pasta products ²	02	1402	21.4	0.5	1.9	5.3	3.0	3.3
Beef and veal.....	02	2101	22.8	-10.3	1.5	-4.6	6.5	-3.6
Pork.....	02	2104	4.7	-4.1	-1.3	-2.0	-2.6	3.9
Processed young chickens.....	02	2203	26.7	-1.4	-0.6	1.4	0.1	2.1
Processed turkeys.....	02	2206	52.3	0.7	2.2	2.2	4.0	5.7
Finfish and shellfish.....	02	23	14.7	6.3	1.8	1.2	-13.2	2.0
Dairy products.....	02	3	16.2	1.1	0.9	2.3	5.1	2.9
Processed fruits and vegetables ²	02	4	5.4	0.9	-0.1	0.5	1.1	0.4
Confectionery end products ²	02	55	6.3	0.5	1.0	-0.2	1.1	0.3
Soft drinks ²	02	62	9.3	1.2	0.3	0.4	3.0	0.9
Roasted coffee ²	02	6301	14.0	-0.7	1.1	1.0	0.8	9.1
Shortening and cooking oils ²	02	78	44.0	4.2	0.9	-4.3	4.3	8.2
Frozen specialty food ²	02	85	11.8	0.4	0.3	0.4	1.9	5.8
Final demand energy.....	FD	412	33.8	5.0	0.9	-1.4	3.7	8.2
Liquefied petroleum gas ²	05	32	57.2	14.6	-9.9	-15.9	14.1	8.1
Residential electric power.....	05	41	8.3	0.7	0.5	0.7	1.8	1.3
Residential natural gas.....	05	51	25.6	3.7	0.6	0.2	0.7	1.7
Gasoline.....	05	71	60.6	6.8	2.9	-1.8	3.3	14.8
Home heating oil and distillates.....	05	7302	77.2	12.3	-3.0	0.6	15.1	14.4
No. 2 diesel fuel.....	05	7303	57.5	11.6	-3.2	-3.1	9.3	14.9
Final demand goods less foods and energy.....	FD	413	9.6	0.7	0.8	0.4	0.7	0.7
Alcoholic beverages.....	02	61	2.1	0.8	0.0	0.1	-0.1	1.0
Pet food ²	02	9402	9.4	0.1	0.2	0.2	1.0	1.5
Women's, girls', and infants' apparel ²	03	8106	2.1	0.5	0.5	0.0	0.2	0.0
Men's and boys' apparel ²	03	8107	3.2	0.0	0.3	0.1	1.6	-0.7
Textile housefurnishings ²	03	82	5.9	1.1	0.4	0.0	1.3	-2.8
Footwear.....	04	3	6.7	1.0	2.2	0.7	0.1	-0.1
Industrial chemicals.....	06	1	26.2	1.7	2.3	-1.4	-0.6	1.5
Pharmaceutical preparations.....	06	38	1.5	0.2	0.2	0.1	-0.4	0.6
Soaps and detergents ²	06	71	5.4	0.4	0.4	0.1	0.7	0.1
Cleaning and polishing products ²	06	72	6.0	0.5	1.8	0.3	1.0	0.1
Cosmetics and other toiletries ²	06	75	3.9	0.2	0.0	0.3	1.2	1.1
Tires ²	07	1201	11.7	0.4	0.8	0.4	3.6	1.1
Consumer, institutional, and commercial products, n.e.c. ²	07	2B	30.4	1.2	4.3	3.6	0.3	3.6
Sanitary paper products ²	09	1501	5.8	0.0	1.1	0.1	0.8	0.9
Iron and steel scrap ²	10	12	9.3	-0.4	8.8	-1.8	-9.2	-1.4
Agricultural machinery and equipment.....	11	1	16.7	1.9	1.8	1.5	0.5	2.0
Construction machinery and equipment ²	11	2	9.2	3.0	0.4	0.8	0.3	0.8
Metal cutting machine tools ²	11	37	4.5	0.7	0.0	1.1	0.8	0.2
Metal forming machine tools.....	11	38	2.7	0.0	0.3	0.4	-0.4	0.0
Tools, dies, jigs, fixtures, and industrial molds ²	11	39	7.0	1.1	0.5	0.7	1.0	0.2
Pumps, compressors, and equipment.....	11	41	11.6	0.5	0.4	0.9	1.5	2.6
Industrial material handling equipment ²	11	44	13.8	1.2	1.6	1.1	1.0	0.3
Electronic computers and computer equipment ²	11	5	6.4	0.5	0.4	0.6	2.3	1.3
Textile machinery and equipment ²	11	62	6.5	0.0	0.0	0.2	5.4	0.1
Paper industries machinery ²	11	64	6.5	1.0	0.7	0.8	0.9	0.2
Printing trades machinery and equipment ²	11	65	6.2	0.1	0.8	2.5	0.2	0.1
Transformers and power regulators ²	11	74	34.8	3.0	5.5	1.9	0.6	0.5
Communication and related equipment.....	11	76	5.8	0.5	0.5	0.3	0.4	0.4
Electronic components and accessories.....	11	78	3.3	0.1	0.4	0.3	1.1	0.0
X-ray and electromedical equipment ²	11	7905	0.6	0.0	0.0	0.0	0.3	0.5
Oil field and gas field machinery ²	11	91	5.7	0.6	0.4	0.0	2.4	0.0
Mining machinery and equipment ²	11	92	11.8	0.2	4.1	0.0	0.2	0.0
Office and store machines and equipment ²	11	93	2.5	0.0	0.0	1.5	0.0	0.0

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Feb. 2021 to Feb. 2022 ^P	Sept. to Oct.	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P
Household furniture ²	12	1	13.7	0.5	1.0	0.7	0.8	0.5
Commercial furniture ²	12	2	14.2	0.4	0.7	0.6	2.0	1.6
Floor coverings ²	12	3	1.1	1.5	0.2	-0.1	-5.3	0.5
Household appliances ²	12	4	9.2	0.7	0.3	0.9	1.4	0.6
Home electronic equipment ²	12	5	11.2	1.0	1.1	0.1	1.3	0.9
Lawn and garden equipment excl. garden tractors ²	12	66	7.3	0.7	0.4	1.1	0.8	1.2
Passenger cars.....	14	1101	2.4	-0.7	0.4	-0.3	0.1	0.6
Light motor trucks.....	14	1105	3.6	-0.8	0.1	0.0	0.5	0.7
Heavy motor trucks ²	14	1106	1.4	0.0	0.1	0.0	0.6	0.0
Motor vehicles parts ²	14	12	5.1	0.4	0.7	0.2	0.7	0.2
Truck trailers ²	14	14	39.8	9.2	1.2	1.7	5.2	6.2
Travel trailers and campers ²	14	16	24.5	3.5	3.0	0.7	2.3	0.0
Aircraft.....	14	21	2.1	0.2	0.2	0.2	0.4	0.4
Ships ²	14	31	5.9	0.3	0.1	1.2	1.4	0.0
Railroad equipment ²	14	4	2.8	0.3	0.8	0.3	0.6	0.1
Toys, games, and children's vehicles ²	15	11	6.2	0.1	0.7	0.0	2.6	0.0
Sporting and athletic goods.....	15	12	20.8	0.5	1.2	1.1	3.6	3.7
Cigarettes ²	15	21	8.3	1.2	0.2	1.6	0.8	0.4
Mobile homes ²	15	5	31.6	1.6	0.1	3.8	2.9	2.6
Medical, surgical & personal aid devices.....	15	6	3.6	0.2	0.1	-0.2	1.5	0.7
Jewelry, platinum and karat gold ²	15	9402	2.5	0.0	1.4	-0.8	0.7	1.5
Costume jewelry and novelties ²	15	9404	6.3	0.0	0.8	0.0	0.0	4.4
Final demand services.....	FD	42	7.8	0.2	1.0	0.7	1.0	0.0
Final demand trade services ³	FD	423	14.4	0.5	1.3	1.4	1.7	0.2
Machinery and equipment parts and supplies wholesaling ²	57	1102	17.3	1.7	5.2	-0.2	2.6	0.9
Machinery and vehicle wholesaling ²	57	1103	22.7	3.1	2.8	2.1	5.3	1.3
Professional and commercial equipment wholesaling ²	57	1104	1.3	0.9	1.0	-2.5	0.2	-1.7
Furnishings wholesaling ²	57	2	28.9	3.3	-3.0	9.5	1.5	-1.9
Chemicals and allied products wholesaling ²	57	5	-0.5	0.5	-1.7	1.1	-5.1	-1.2
Paper and plastics products wholesaling ²	57	6	23.0	2.1	3.8	-2.2	2.9	2.2
Apparel wholesaling ²	57	7	-7.6	-2.0	1.6	-1.9	-3.2	1.0
Food and alcohol wholesaling ²	57	8	7.9	3.0	-2.1	1.5	0.4	1.0
Food and alcohol retailing.....	58	1	11.2	0.5	1.5	1.7	1.1	1.8
Health, beauty, and optical goods retailing ²	58	2	9.3	-0.2	0.4	3.0	2.7	0.3
Apparel, jewelry, footwear, and accessories retailing.....	58	3	10.5	-3.4	4.7	0.8	-1.2	-2.2
Computer hardware, software, and supplies retailing ²	58	4	4.2	3.5	-8.3	4.9	5.8	1.0
TV, video, and photographic equipment and supplies retailing ²	58	5	8.7	-17.4	-12.1	1.4	8.3	2.0
Automobiles retailing (partial).....	58	6101	132.7	5.4	2.3	7.5	7.4	-2.8
Automotive parts, including tires, retailing ²	58	6102	5.7	2.0	0.1	1.1	-0.3	0.6
RVs, trailers, and campers retailing ²	58	8	60.6	14.7	-2.7	5.6	3.7	-0.3
Sporting goods, including boats, retailing.....	58	9	0.9	-5.6	8.1	-4.5	-1.8	-0.2
Lawn, garden, and farm equipment and supplies retailing ²	58	A	16.4	3.4	3.4	1.0	1.1	0.7
Furniture retailing ²	58	B	31.1	9.0	1.5	2.5	2.2	3.0
Flooring and floor coverings retailing ²	58	C	31.3	7.2	-1.8	2.8	18.0	-0.1
Hardware, building materials, and supplies retailing.....	58	D	15.4	0.1	-4.9	2.0	8.8	6.3
Major household appliances retailing.....	58	E	7.7	-4.8	0.4	1.9	8.7	-3.0
Fuels and lubricants retailing.....	58	F	12.4	-6.5	7.1	12.3	-10.5	-2.7
Cleaning supplies and paper products retailing ²	58	G	26.1	-5.2	5.8	-1.5	2.7	-0.2
Book retailing ²	58	H	5.7	0.1	0.2	-6.9	9.7	1.2
Final demand transportation and warehousing services.....	FD	422	16.6	1.1	2.7	1.5	0.0	1.9
Rail transportation of freight and mail ²	30	11	8.4	0.8	0.7	0.4	1.4	0.3
Truck transportation of freight ²	30	12	19.1	2.1	2.4	0.8	1.6	2.0
Air transportation of freight ²	30	14	12.6	3.0	2.5	3.5	0.1	0.5
Courier, messenger, and U.S. postal services.....	30	16	8.4	1.1	0.6	0.1	1.3	-0.1
Rail transportation of passengers.....	30	21	0.8	-0.1	-0.1	-0.2	-0.3	0.1
Airline passenger services.....	30	22	16.8	-1.3	5.3	4.0	-4.5	3.0
Final demand services less trade, transportation, and warehousing.....	FD	421	3.8	-0.1	0.6	0.3	0.8	-0.4
Sales of books ²	33	11	7.9	-0.3	0.5	1.2	0.9	2.2
Sales and subscriptions of periodicals and newspapers.....	33	12	2.8	0.2	0.5	0.5	0.3	-0.8
Application software publishing ²	34	2	0.4	1.4	-0.3	-0.1	1.1	-4.7
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-0.9	0.4	0.1	0.1	1.3	-2.3
Residential wired telecommunication services.....	37	11	1.8	0.3	0.4	-0.1	0.1	-0.4
Wireless telecommunication services.....	37	2	0.6	0.0	0.2	-0.1	-0.2	0.7
Cable and satellite subscriber services.....	37	3	2.5	0.4	0.3	0.2	1.8	-0.2
Internet access services ²	37	4	-0.9	-0.1	0.0	0.1	0.0	0.0

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Feb. 2021 to Feb. 2022 ^P	Sept. to Oct.	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P
Bundled wired telecommunications access services ²	37	5	3.1	1.1	-1.5	0.8	0.2	0.0
Consumer loans (partial).....	39	12	-1.1	-1.1	1.8	1.0	-0.2	-2.6
Deposit services (partial) ²	39	2	-1.2	0.7	0.1	-3.6	1.3	-0.5
Other credit intermediation, incl. trust services (partial) ²	39	3	-1.9	-0.2	-1.7	-0.1	0.3	1.2
Securities brokerage, dealing, investment advice, and related services ² ...	40	1	2.6	-6.7	8.2	-1.2	-0.5	1.5
Portfolio management ²	40	2	4.1	-1.3	2.6	-0.3	1.8	-4.2
Life insurance ²	41	1101	1.3	0.0	-0.2	0.0	1.2	0.0
Disability insurance, including accidental death ²	41	1102	-0.1	0.0	0.0	0.0	-0.1	0.0
Health and medical insurance.....	41	1103	1.4	0.1	0.2	0.3	-0.5	0.0
Property and casualty insurance ²	41	1104	1.0	-0.2	0.0	0.3	0.2	0.4
Annuities ²	41	2	-1.4	0.1	0.1	0.0	-0.3	0.0
Residential property sales and leases, brokerage fees and commissions..	43	21	11.4	0.1	0.3	0.4	1.1	1.2
Passenger car rental.....	44	1	22.9	4.1	0.5	0.5	-5.7	-2.2
Legal services.....	45	1	5.8	0.7	0.4	0.4	1.0	0.3
Tax preparation and planning.....	45	2102	-6.8	-0.2	0.1	-1.3	-2.2	1.8
Architectural and engineering services.....	45	3	4.6	0.2	0.1	0.0	2.6	-0.1
Management, scientific, and technical consulting services.....	45	4	3.7	0.8	-0.3	0.4	1.8	-0.3
Arrangement of flights (partial).....	47	1	-4.4	-3.7	0.2	-0.2	0.8	-0.8
Arrangement of vehicle rentals and lodging ²	47	2	18.6	0.3	0.7	1.0	1.9	0.5
Arrangement of cruises and tours ²	47	3	6.8	-3.3	-3.4	-6.1	1.6	0.3
Physician care.....	51	1101	1.2	0.2	0.3	0.2	-0.5	0.2
Medical laboratory and diagnostic imaging care ²	51	1102	-0.2	0.0	0.0	0.0	0.0	0.0
Home health and hospice care.....	51	1103	2.5	0.3	0.2	0.2	0.6	0.0
Hospital outpatient care ²	51	1104	4.0	0.3	0.0	0.0	1.7	0.1
Dental care.....	51	1105	3.9	0.0	0.1	0.1	1.8	0.8
Hospital inpatient care.....	51	2101	3.2	-0.2	0.2	0.3	1.1	-0.2
Nursing home care.....	51	2102	1.3	0.0	0.5	0.1	0.0	0.1
Traveler accommodation services.....	53	11	20.6	-0.4	4.2	3.9	1.1	-3.4
Food and beverages for immediate consumption services (partial) ²	54	1	8.3	-0.1	0.5	0.6	0.2	0.3
Motor vehicle repair and maintenance (partial).....	55	2	2.1	0.2	0.3	0.4	-0.7	-0.1
Membership dues and admissions and recreation facility use fees (partial) ²	56	1	4.1	1.4	0.9	1.1	0.3	0.7
Recreational activity instruction fees (partial) ²	56	2	-1.7	0.0	0.0	0.0	0.0	0.0
Gaming receipts (partial) ²	56	3	3.5	1.3	2.3	-3.8	2.1	-1.2
Mining services ²	60	1	9.6	0.9	0.1	2.0	2.3	0.0
Final demand construction.....	FD	43	16.6	5.9	0.4	0.3	3.6	0.6
New warehouse building construction ²	80	1101	28.5	13.0	-0.3	0.1	6.3	0.3
New school building construction ²	80	1102	12.3	5.3	0.1	0.0	2.9	0.2
New office building construction ²	80	1103	17.8	5.7	0.3	0.7	4.2	0.8
New industrial building construction ²	80	1104	19.1	7.7	0.5	0.4	3.9	1.3
New health care building construction ²	80	1105	14.8	4.9	0.9	0.1	2.9	0.3
Intermediate Demand by Commodity Type								
Processed goods for intermediate demand.....	ID6	1	23.3	2.4	1.5	0.0	2.0	1.6
Processed foods and feeds.....	ID6	9112	15.5	-0.4	0.1	0.0	2.5	1.9
Meats.....	02	21	15.6	-5.9	0.1	-2.8	2.4	-0.9
Processed poultry.....	02	22	26.5	-0.2	-1.6	2.6	2.7	3.2
Dairy products.....	02	3	16.2	1.1	0.9	2.3	5.1	2.9
Processed fruits and vegetables ²	02	4	5.4	0.9	-0.1	0.5	1.1	0.4
Refined sugar and byproducts ²	02	53	5.1	0.3	0.2	1.3	0.0	1.1
Fats and oils ²	02	7	44.2	2.5	1.9	-2.5	3.5	6.0
Prepared animal feeds ²	02	9	11.1	-0.5	0.1	0.3	3.0	2.8
Processed materials less foods and feeds.....	ID6	9111	24.0	2.7	1.6	0.0	2.0	1.6
Synthetic fibers ²	03	1	16.3	1.7	-0.3	-0.8	0.4	0.7
Processed yarns and threads ²	03	2	24.5	3.5	3.6	0.2	2.2	1.4
Finished fabrics ²	03	4	15.2	1.5	0.9	0.6	1.2	1.4
Liquefied petroleum gas ²	05	32	57.2	14.6	-9.9	-15.9	14.1	8.1
Commercial electric power.....	05	42	13.7	0.1	1.9	-1.1	4.7	3.0
Industrial electric power.....	05	43	15.1	2.1	1.2	-1.0	3.2	2.5
Commercial natural gas.....	05	52	29.0	6.5	0.6	-1.2	0.4	0.7
Industrial natural gas.....	05	53	48.8	10.4	2.2	-2.6	-3.1	9.1
Natural gas to electric utilities.....	05	54	66.4	19.0	27.5	-7.9	-4.3	-4.2
Gasoline.....	05	71	60.6	6.8	2.9	-1.8	3.3	14.8
Jet fuel ²	05	7203	75.2	12.4	3.8	-9.9	13.1	14.5
No. 2 diesel fuel.....	05	7303	57.5	11.6	-3.2	-3.1	9.3	14.9
Residual fuels ²	05	74	37.2	9.4	4.3	-0.9	-6.2	14.8

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
[February 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Feb. 2021 to Feb. 2022 ^P	Sept. to Oct.	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P
Finished lubricants ²	05	76	14.8	3.4	0.0	0.2	0.8	0.4
Lubricating oil base stocks ²	05	78	46.2	0.6	-5.3	0.4	1.8	1.2
Asphalt.....	05	8102	37.5	5.3	11.0	2.0	-6.0	5.9
Basic inorganic chemicals ²	06	13	19.9	0.5	1.1	1.9	3.7	2.3
Basic organic chemicals.....	06	14	27.2	1.9	2.4	-1.9	-1.2	1.4
Prepared paint ²	06	21	21.1	1.1	0.8	1.0	6.5	0.6
Paint materials ²	06	22	15.6	0.9	4.0	-1.2	1.8	3.3
Medicinal and botanical chemicals ²	06	31	2.1	0.0	-0.1	0.2	1.7	0.0
Biological products, including diagnostics.....	06	37	5.6	0.1	0.3	2.7	0.0	-0.1
Fats and oils, inedible ²	06	4	42.0	-0.5	0.2	-6.7	0.3	8.0
Nitrogenates.....	06	5201	117.4	12.6	11.4	13.7	2.5	5.5
Phosphates.....	06	5202	-	3.3	5.3	4.8	-	-
Other agricultural chemicals ²	06	53	19.0	4.1	0.1	0.1	4.1	0.0
Plastic resins and materials.....	06	6	21.7	-0.5	0.0	-1.3	-2.5	-0.7
Industrial gases ²	06	7903	16.2	-2.2	8.4	3.1	0.1	1.9
Adhesives and sealants ²	06	7904	17.7	0.6	0.6	2.0	2.5	3.6
Synthetic rubber ²	07	1102	20.4	0.3	-1.5	-3.2	0.6	-0.2
Tires ²	07	1201	11.7	0.4	0.8	0.4	3.6	1.1
Plastic construction products ²	07	21	35.6	2.9	1.7	1.4	1.6	1.3
Unsupported plastic film, sheet, other shapes ²	07	22	24.2	2.7	1.9	0.7	0.5	0.5
Parts for manufacturing from plastics ²	07	26	16.0	1.1	0.7	1.9	1.1	0.4
Plastic packaging products ²	07	2A	24.8	2.1	2.3	0.5	1.0	-0.3
Softwood lumber.....	08	11	22.2	6.7	6.9	22.1	25.6	2.6
Hardwood lumber ²	08	12	23.9	1.8	-0.1	0.6	0.2	-0.4
Millwork.....	08	2	22.3	-0.1	0.9	2.2	4.7	1.9
Plywood ²	08	3	22.2	4.4	4.0	2.6	18.1	5.5
Paper ²	09	13	17.6	0.9	1.2	0.4	1.1	1.1
Paperboard ²	09	14	18.1	3.9	0.2	0.8	0.1	0.0
Paper boxes and containers ²	09	1503	16.4	3.3	1.1	0.4	1.9	0.9
Building paper and board ²	09	2	17.7	3.0	2.5	2.7	13.5	0.4
Commercial printing ²	09	47	13.0	0.6	3.6	0.6	1.3	2.5
Foundry and forge shop products ²	10	15	14.8	1.3	0.8	1.3	2.7	1.3
Steel mill products ²	10	17	74.4	4.1	3.0	0.2	-1.5	-9.9
Primary nonferrous metals ²	10	22	33.4	3.9	-3.7	0.5	4.7	5.4
Secondary nonferrous metals ²	10	24	13.2	0.2	0.8	0.5	2.8	3.4
Aluminum mill shapes ²	10	2501	37.3	4.3	2.0	-5.9	4.1	6.2
Copper and brass mill shapes ²	10	2502	24.4	0.1	1.2	-3.0	3.1	0.8
Nonferrous wire and cable ²	10	26	25.7	3.2	1.5	-1.6	0.1	0.9
Nonferrous foundry shop products.....	10	28	13.8	0.6	1.2	0.8	1.5	1.3
Metal containers ²	10	3	34.6	2.9	1.3	2.8	10.4	2.6
Hardware ²	10	4	16.8	5.0	1.2	0.3	0.6	1.1
Plumbing fixtures and brass fittings.....	10	5	6.1	0.6	0.5	1.6	1.4	-0.4
Heating equipment ²	10	6	20.3	0.9	1.1	3.0	1.8	0.6
Fabricated structural metal products.....	10	7	39.8	2.5	3.2	2.1	0.8	1.0
Bolts, nuts, screws, rivets, and washers ²	10	81	16.4	0.9	0.1	0.7	0.7	1.1
Lighting fixtures ²	10	83	9.2	0.5	0.4	0.8	1.2	0.4
Fabricated ferrous wire products ²	10	88	32.1	2.1	1.0	2.7	1.3	2.0
Other miscellaneous metal products ²	10	89	14.1	1.4	0.7	1.4	1.1	1.0
Fluid power equipment.....	11	43	12.5	1.4	0.5	2.0	2.3	1.0
Mechanical power transmission equipment ²	11	45	11.0	0.5	0.5	0.6	2.9	0.3
Air conditioning and refrigeration equipment ²	11	48	20.5	1.8	1.8	1.4	4.4	1.4
Metal valves, except fluid power.....	11	4902	8.5	0.7	0.5	1.4	1.4	1.0
Ball and roller bearings ²	11	4905	7.9	0.0	0.6	-0.4	0.3	1.6
Wiring devices ²	11	71	28.9	1.6	1.5	2.0	2.5	1.0
Motors, generators, motor generator sets ²	11	73	15.7	1.6	2.5	0.1	2.9	2.9
Switchgear, switchboard, and industrial controls equip. ²	11	75	14.9	-0.3	0.4	1.6	2.7	3.3
Electronic components and accessories.....	11	78	3.3	0.1	0.4	0.3	1.1	0.0
Internal combustion engines ²	11	94	4.2	0.9	0.0	0.0	2.2	0.1
Machine shop products ²	11	95	5.0	0.9	0.1	0.8	0.2	0.1
Flat glass ²	13	11	10.0	1.4	0.6	1.0	1.9	0.2
Cement.....	13	22	7.6	0.3	0.1	0.4	3.2	0.5
Concrete products.....	13	3	10.0	0.5	0.9	0.7	1.3	0.9
Asphalt felts and coatings ²	13	6	21.0	-0.1	2.8	1.2	1.0	2.1
Paving mixtures and blocks.....	13	94	8.6	0.8	0.8	1.3	1.7	1.1
Motor vehicle parts ²	14	12	5.1	0.4	0.7	0.2	0.7	0.2
Aircraft engines and engine parts.....	14	23	1.2	0.0	0.0	0.5	-0.3	0.2

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Feb. 2021 to Feb. 2022 ^P	Sept. to Oct.	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	2.5	0.7	0.0	0.2	0.7	-0.1
Medical, surgical, and personal aid devices.....	15	6	3.6	0.2	0.1	-0.2	1.5	0.7
Unprocessed goods for intermediate demand.....	ID6	2	35.1	6.0	2.3	-4.9	0.1	14.6
Unprocessed foodstuffs and feedstuffs.....	ID6	21	27.2	-2.2	1.3	3.8	2.7	3.0
Wheat ²	01	21	37.7	2.9	6.6	3.1	-3.2	1.3
Corn.....	01	2202	15.7	-7.1	3.8	3.2	1.6	1.8
Slaughter cattle.....	01	31	24.7	-0.8	1.6	2.9	-1.4	3.3
Slaughter hogs.....	01	32	31.4	-10.3	-3.5	-0.1	-7.0	30.7
Slaughter chickens.....	01	4102	62.3	-4.8	-3.2	11.8	1.6	0.6
Slaughter turkeys.....	01	42	20.5	-3.6	-4.9	4.1	3.4	0.1
Raw milk.....	01	6	26.5	2.9	2.5	7.4	17.5	-8.7
Alfalfa hay ²	01	81	50.2	-4.2	1.4	-0.4	8.4	8.7
Oilseeds.....	01	8301	10.4	-5.9	-1.6	0.5	8.7	9.2
Raw cane sugar and byproducts ²	02	5201	10.7	5.0	0.7	1.5	-2.6	3.2
Unprocessed nonfood materials.....	ID6	22	38.8	10.2	2.7	-8.6	-1.2	20.4
Raw cotton ²	01	51	44.9	13.8	12.9	-9.3	8.0	4.7
Hides and skins.....	04	1	-1.5	-11.7	-11.7	-7.1	-4.9	4.3
Coal.....	05	1	21.9	-1.8	0.9	0.5	15.2	3.0
Natural gas ²	05	31	47.6	25.4	3.9	-14.8	-21.5	65.1
Crude petroleum ²	05	61	66.6	13.8	1.0	-11.8	15.7	13.7
Logs, bolts, timber, pulpwood, and woodchips ²	08	5	6.2	-0.1	-0.4	0.5	2.3	1.4
Recyclable paper ²	09	12	58.8	6.3	-4.2	-7.3	-6.1	-1.0
Iron ores.....	10	11	21.7	0.7	1.6	-0.4	0.3	0.4
Iron and steel scrap ²	10	12	9.3	-0.4	8.8	-1.8	-9.2	-1.4
Nonferrous metal ores ²	10	21	12.9	-6.4	3.6	-3.4	3.6	-1.0
Copper base scrap ²	10	2301	24.0	2.9	0.2	-0.6	2.3	0.9
Aluminum base scrap.....	10	2302	40.1	0.4	1.0	-1.2	-0.2	0.7
Construction sand, gravel, and crushed stone.....	13	21	7.9	0.2	0.7	0.0	2.5	1.6
Services for intermediate demand.....	ID6	3	7.4	0.0	0.8	0.6	0.7	0.0
Trade services for intermediate demand ³	ID6	33	14.2	0.6	0.2	0.6	1.1	0.8
Machinery and equipment parts and supplies wholesaling ²	57	1102	17.3	1.7	5.2	-0.2	2.6	0.9
Building materials, paint, and hardware wholesaling.....	57	3	26.4	6.5	-3.2	0.4	3.1	0.1
Metals, minerals, and ores wholesaling ²	57	4	17.6	-4.5	-7.5	2.0	-4.7	-0.3
Chemicals and allied products wholesaling ²	57	5	-0.5	0.5	-1.7	1.1	-5.1	-1.2
Paper and plastics products wholesaling ²	57	6	23.0	2.1	3.8	-2.2	2.9	2.2
Food wholesaling ²	57	8101	7.6	3.9	-3.0	1.6	0.4	1.1
Automotive parts, including tires, retailing ²	58	6102	5.7	2.0	0.1	1.1	-0.3	0.6
Hardware, building material, and supplies retailing.....	58	D	15.4	0.1	-4.9	2.0	8.8	6.3
Transportation and warehousing services for intermediate demand.....	ID6	32	14.6	0.5	1.0	1.5	0.2	0.6
Rail transportation of freight and mail ²	30	11	8.4	0.8	0.7	0.4	1.4	0.3
Truck transportation of freight ²	30	12	19.1	2.1	2.4	0.8	1.6	2.0
Water transportation of freight ²	30	13	19.9	2.7	-0.2	1.8	1.3	1.8
Air transportation of freight ²	30	14	12.6	3.0	2.5	3.5	0.1	0.5
Pipeline transportation of petroleum products.....	30	1501	1.6	0.3	0.4	0.3	-0.1	0.2
U.S. Postal Service.....	30	1601	5.5	1.1	0.0	0.2	-0.6	-1.9
Courier and messenger services, except air mail.....	30	1602	9.0	0.8	1.0	0.3	2.4	0.7
Air mail and package delivery services, excluding by USPS.....	30	1603	14.3	1.5	1.6	-0.6	3.5	2.4
Transportation of passengers (partial).....	30	2	16.4	-1.3	5.2	3.9	-4.5	3.0
Services related to water transportation.....	31	1	4.5	0.4	0.2	0.2	0.5	0.9
Arrangement of freight and cargo ²	31	31	68.2	-2.4	-1.1	6.3	-5.9	2.9
Warehousing, storage, and related services ²	32	1	13.4	2.0	-1.2	3.4	6.0	-3.4
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	3.8	-0.3	0.9	0.5	0.6	-0.4
Network compensation from broadcast TV, cable TV, radio ²	35	-	2.5	0.0	0.0	0.0	2.8	0.0
Advertising space sales in periodicals and newspapers ²	36	11	-1.0	0.5	0.2	0.1	1.6	-2.7
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	-7.0	-2.2	5.1	3.2	1.4	-3.3
Radio advertising time sales.....	36	3	12.8	-4.2	9.5	-0.9	-13.5	10.0
Internet advertising space sales, excluding Internet ads sold by print publishers ²	36	5	6.1	-0.2	0.9	1.0	1.7	-1.5
Business wired telecommunication services ²	37	12	0.8	0.0	0.1	0.1	0.2	0.0
Wireless telecommunication services.....	37	2	0.6	0.0	0.2	-0.1	-0.2	0.7
Cable and satellite subscriber services.....	37	3	2.5	0.4	0.3	0.2	1.8	-0.2
Bundled wired telecommunication access services ²	37	5	3.1	1.1	-1.5	0.8	0.2	0.0
Data processing and related services ²	38	1	0.0	0.2	0.0	0.0	-1.3	0.6
Business loans (partial).....	39	11	8.5	1.0	0.3	2.0	-0.7	-2.9

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
 [February 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Feb. 2021 to Feb. 2022 ^P	Sept. to Oct.	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P
Deposit services (partial) ²	39	2	-1.2	0.7	0.1	-3.6	1.3	-0.5
Other credit intermediation, incl. trust services (partial) ²	39	3	-1.9	-0.2	-1.7	-0.1	0.3	1.2
Securities brokerage, dealing, investment advice, and related services ²	40	1	2.6	-6.7	8.2	-1.2	-0.5	1.5
Portfolio management ²	40	2	4.1	-1.3	2.6	-0.3	1.8	-4.2
Investment banking ²	40	3	16.6	0.0	0.0	1.9	0.1	0.2
Life insurance ²	41	1101	1.3	0.0	-0.2	0.0	1.2	0.0
Health and medical insurance.....	41	1103	1.4	0.1	0.2	0.3	-0.5	0.0
Property and casualty insurance ²	41	1104	1.0	-0.2	0.0	0.3	0.2	0.4
Annuities ²	41	2	-1.4	0.1	0.1	0.0	-0.3	0.0
Commissions from sales of insurance ²	42	1	0.6	0.0	0.0	0.0	0.0	0.0
Nonresidential real estate rents ²	43	11	2.7	-1.3	0.2	0.9	1.3	-2.8
Nonresidential property sales and leases ²	43	12	7.5	1.2	0.1	0.7	1.4	-0.3
Residential property management fees ²	43	22	7.7	-0.1	0.2	1.2	0.0	0.9
Passenger car rental.....	44	1	22.9	4.1	0.5	0.5	-5.7	-2.2
Truck, utility trailer, and RV rental and leasing ²	44	2	4.4	0.5	0.3	0.0	-0.7	0.4
Construction, mining, and forestry machinery and equipment rental and leasing ²	44	3	2.3	0.2	0.7	-0.1	-0.2	0.4
Legal services.....	45	1	5.8	0.7	0.4	0.4	1.0	0.3
Accounting services (partial).....	45	2	0.3	-0.6	0.1	0.1	-0.3	1.0
Architectural and engineering services.....	45	3	4.6	0.2	0.1	0.0	2.6	-0.1
Management, scientific, and technical consulting services.....	45	4	3.7	0.8	-0.3	0.4	1.8	-0.3
Advertising and related services (partial) ²	45	5	6.4	-2.7	5.0	2.0	1.9	0.2
Permanent placement services ²	46	1	6.3	-2.0	0.2	2.3	0.5	0.6
Executive search services ²	46	2	-0.5	-0.6	1.7	-0.1	-5.1	5.2
Staffing services.....	46	3	4.5	0.2	0.9	0.8	0.7	-0.2
Security guard services ²	48	1	6.2	0.6	0.0	0.5	1.1	0.1
Janitorial services ²	49	1	8.5	0.1	0.3	2.6	1.7	1.4
Waste collection.....	50	1	4.5	0.6	0.4	0.5	0.2	0.9
Traveler accommodation services.....	53	11	20.6	-0.4	4.2	3.9	1.1	-3.4
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.2	0.7	0.4	0.2	0.9	3.1
Aircraft repair and maintenance.....	55	4	3.6	0.2	0.5	0.2	-1.0	0.0
Metal treatment services ²	59	1	8.8	2.7	0.8	1.0	-0.7	0.7
Construction for intermediate demand.....	ID6	4	11.5	0.2	0.5	0.0	1.1	0.8
Maintenance and repair of non-residential buildings (partial) ²	80	2	11.5	0.2	0.5	0.0	1.1	0.8
Intermediate Demand by Production Flow								
Stage 4 intermediate demand.....	ID5	4	12.4	0.6	1.3	0.5	1.4	0.5
Stage 4 intermediate demand goods.....	ID5	9411	17.9	1.3	1.5	0.6	1.9	1.3
Grains.....	01	2	20.0	-4.5	4.5	3.2	0.4	1.7
Meats.....	02	21	15.6	-5.9	0.1	-2.8	2.4	-0.9
Unprocessed and packaged fish.....	02	23	14.7	6.3	1.8	1.2	-13.2	2.0
Dairy products.....	02	3	16.2	1.1	0.9	2.3	5.1	2.9
Commercial electric power.....	05	42	13.7	0.1	1.9	-1.1	4.7	3.0
Industrial electric power.....	05	43	15.1	2.1	1.2	-1.0	3.2	2.5
Gasoline.....	05	71	60.6	6.8	2.9	-1.8	3.3	14.8
No. 2 diesel fuel.....	05	7303	57.5	11.6	-3.2	-3.1	9.3	14.9
Basic organic chemicals.....	06	14	27.2	1.9	2.4	-1.9	-1.2	1.4
Prepared paint ²	06	21	21.1	1.1	0.8	1.0	6.5	0.6
Medicinal and botanical chemicals ²	06	31	2.1	0.0	-0.1	0.2	1.7	0.0
Biological products, including diagnostics.....	06	37	5.6	0.1	0.3	2.7	0.0	-0.1
Pharmaceutical preparations.....	06	38	1.5	0.2	0.2	0.1	-0.4	0.6
Plastic construction products ²	07	21	35.6	2.9	1.7	1.4	1.6	1.3
Unsupported plastic film, sheet, and other shapes ²	07	22	24.2	2.7	1.9	0.7	0.5	0.5
Parts for manufacturing from plastics ²	07	26	16.0	1.1	0.7	1.9	1.1	0.4
Plastic packaging products ²	07	2A	24.8	2.1	2.3	0.5	1.0	-0.3
Lumber.....	08	1	22.6	4.8	4.4	14.6	17.9	1.8
Millwork.....	08	2	22.3	-0.1	0.9	2.2	4.7	1.9
Paper boxes and containers ²	09	1503	16.4	3.3	1.1	0.4	1.9	0.9
Commercial printing ²	09	47	13.0	0.6	3.6	0.6	1.3	2.5
Steel mill products ²	10	17	74.4	4.1	3.0	0.2	-1.5	-9.9
Nonferrous wire and cable ²	10	26	25.7	3.2	1.5	-1.6	0.1	0.9
Fabricated structural metal products.....	10	7	39.8	2.5	3.2	2.1	0.8	1.0
Other miscellaneous metal products ²	10	89	14.1	1.4	0.7	1.4	1.1	1.0
Air conditioning and refrigeration equipment ²	11	48	20.5	1.8	1.8	1.4	4.4	1.4
Wiring devices ²	11	71	28.9	1.6	1.5	2.0	2.5	1.0

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
 [February 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Feb. 2021 to Feb. 2022 ^P	Sept. to Oct.	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P
Electronic components and accessories.....	11	78	3.3	0.1	0.4	0.3	1.1	0.0
Miscellaneous electrical machinery and equipment ²	11	79	5.4	0.7	0.2	0.1	1.1	0.3
Internal combustion engines ²	11	94	4.2	0.9	0.0	0.0	2.2	0.1
Machine shop products ²	11	95	5.0	0.9	0.1	0.8	0.2	0.1
Concrete ingredients and related products.....	13	2	7.9	0.2	0.5	0.1	2.7	1.3
Concrete products.....	13	3	10.0	0.5	0.9	0.7	1.3	0.9
Prepared asphalt, tar roofing and siding products ²	13	61	22.5	-0.1	3.2	1.3	0.8	2.3
Paving mixtures and blocks.....	13	94	8.6	0.8	0.8	1.3	1.7	1.1
Motor vehicle parts ²	14	12	5.1	0.4	0.7	0.2	0.7	0.2
Aircraft engines and engine parts.....	14	23	1.2	0.0	0.0	0.5	-0.3	0.2
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	2.5	0.7	0.0	0.2	0.7	-0.1
Medical, surgical and personal aid devices.....	15	6	3.6	0.2	0.1	-0.2	1.5	0.7
Stage 4 intermediate demand services.....	ID5	9412	7.6	0.0	1.1	0.4	1.0	-0.2
Truck transportation of freight ²	30	12	19.1	2.1	2.4	0.8	1.6	2.0
Courier, messenger, and U.S. postal services.....	30	16	8.4	1.1	0.6	0.1	1.3	-0.1
Airline passenger services.....	30	22	16.8	-1.3	5.3	4.0	-4.5	3.0
Warehousing, storage, and related services ²	32	1	13.4	2.0	-1.2	3.4	6.0	-3.4
Advertising space sales in periodicals and newspapers ²	36	11	-1.0	0.5	0.2	0.1	1.6	-2.7
Data processing and related services ²	38	1	0.0	0.2	0.0	0.0	-1.3	0.6
Business loans (partial).....	39	11	8.5	1.0	0.3	2.0	-0.7	-2.9
Deposit services (partial) ²	39	2	-1.2	0.7	0.1	-3.6	1.3	-0.5
Securities brokerage, dealing, investment advice, and related services ²	40	1	2.6	-6.7	8.2	-1.2	-0.5	1.5
Portfolio management ²	40	2	4.1	-1.3	2.6	-0.3	1.8	-4.2
Investment banking ²	40	3	16.6	0.0	0.0	1.9	0.1	0.2
Insurance.....	41	11	1.2	0.0	0.1	0.2	0.2	0.3
Annuities ²	41	2	-1.4	0.1	0.1	0.0	-0.3	0.0
Nonresidential real estate rents ²	43	11	2.7	-1.3	0.2	0.9	1.3	-2.8
Nonresidential property sales and leases ²	43	12	7.5	1.2	0.1	0.7	1.4	-0.3
Nonresidential property management fees ²	43	13	2.9	0.4	0.2	0.2	1.2	2.5
Residential property management fees ²	43	22	7.7	-0.1	0.2	1.2	0.0	0.9
Construction, mining, and forestry machinery and equipment rental and leasing ²	44	3	2.3	0.2	0.7	-0.1	-0.2	0.4
Legal services.....	45	1	5.8	0.7	0.4	0.4	1.0	0.3
Advertising agency services ²	45	51	6.4	-2.7	5.0	2.0	1.9	0.2
Accounting services (partial).....	45	2	0.3	-0.6	0.1	0.1	-0.3	1.0
Architectural and engineering services.....	45	3	4.6	0.2	0.1	0.0	2.6	-0.1
Management, scientific, and technical consulting services.....	45	4	3.7	0.8	-0.3	0.4	1.8	-0.3
Staffing services.....	46	3	4.5	0.2	0.9	0.8	0.7	-0.2
Janitorial services ²	49	1	8.5	0.1	0.3	2.6	1.7	1.4
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.2	0.7	0.4	0.2	0.9	3.1
Machinery and equipment parts and supplies wholesaling ²	57	1102	17.3	1.7	5.2	-0.2	2.6	0.9
Building materials, paint, and hardware wholesaling.....	57	3	26.4	6.5	-3.2	0.4	3.1	0.1
Metals, minerals, and ores wholesaling ²	57	4	17.6	-4.5	-7.5	2.0	-4.7	-0.3
Chemicals and allied products wholesaling ²	57	5	-0.5	0.5	-1.7	1.1	-5.1	-1.2
Paper and plastics products wholesaling ²	57	6	23.0	2.1	3.8	-2.2	2.9	2.2
Food and alcohol wholesaling ²	57	8	7.9	3.0	-2.1	1.5	0.4	1.0
Hardware and building materials and supplies retailing.....	58	D	15.4	0.1	-4.9	2.0	8.8	6.3
Metal treatment services ²	59	1	8.8	2.7	0.8	1.0	-0.7	0.7
Stage 3 intermediate demand.....	ID5	3	18.4	1.0	0.8	0.7	1.5	1.0
Stage 3 intermediate demand goods.....	ID5	9311	30.0	1.9	1.2	0.7	2.5	1.8
Slaughter cattle.....	01	31	24.7	-0.8	1.6	2.9	-1.4	3.3
Slaughter hogs.....	01	32	31.4	-10.3	-3.5	-0.1	-7.0	30.7
Slaughter poultry.....	01	4	52.6	-4.5	-3.4	10.3	1.9	0.5
Raw milk.....	01	6	26.5	2.9	2.5	7.4	17.5	-8.7
Commercial electric power.....	05	42	13.7	0.1	1.9	-1.1	4.7	3.0
Industrial electric power.....	05	43	15.1	2.1	1.2	-1.0	3.2	2.5
Gasoline.....	05	71	60.6	6.8	2.9	-1.8	3.3	14.8
Jet fuel ²	05	7203	75.2	12.4	3.8	-9.9	13.1	14.5
No. 2 diesel fuel.....	05	7303	57.5	11.6	-3.2	-3.1	9.3	14.9
Finished lubricants ²	05	76	14.8	3.4	0.0	0.2	0.8	0.4
Lubricating oil base stocks ²	05	78	46.2	0.6	-5.3	0.4	1.8	1.2
Asphalt.....	05	8102	37.5	5.3	11.0	2.0	-6.0	5.9
Basic inorganic chemicals ²	06	13	19.9	0.5	1.1	1.9	3.7	2.3
Basic organic chemicals.....	06	14	27.2	1.9	2.4	-1.9	-1.2	1.4
Paints and allied products ²	06	2	19.7	1.1	1.5	0.5	5.3	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
[February 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Feb. 2021 to Feb. 2022 ^P	Sept. to Oct.	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P
Agricultural chemicals and chemical products.....	06	5	52.6	4.7	3.7	5.0	2.2	1.7
Plastic resins and materials.....	06	6	21.7	-0.5	0.0	-1.3	-2.5	-0.7
Synthetic rubber ²	07	1102	20.4	0.3	-1.5	-3.2	0.6	-0.2
Unsupported plastic film, sheet, and other shapes ²	07	22	24.2	2.7	1.9	0.7	0.5	0.5
Paper ²	09	13	17.6	0.9	1.2	0.4	1.1	1.1
Paperboard ²	09	14	18.1	3.9	0.2	0.8	0.1	0.0
Converted paper and paperboard products ²	09	15	13.1	1.8	1.0	0.5	1.2	1.0
Commercial printing ²	09	47	13.0	0.6	3.6	0.6	1.3	2.5
Foundry and forge shop products ²	10	15	14.8	1.3	0.8	1.3	2.7	1.3
Steel mill products ²	10	17	74.4	4.1	3.0	0.2	-1.5	-9.9
Nonferrous mill shapes ²	10	25	30.0	2.7	1.6	-4.1	3.9	3.8
Nonferrous foundry shop products.....	10	28	13.8	0.6	1.2	0.8	1.5	1.3
Metal containers ²	10	3	34.6	2.9	1.3	2.8	10.4	2.6
Structural, architectural, and pre-engineered metal products.....	10	74	49.2	3.3	2.7	2.4	0.2	0.9
Bolts, nuts, screws, rivets, and washers ²	10	81	16.4	0.9	0.1	0.7	0.7	1.1
Other miscellaneous metal products ²	10	89	14.1	1.4	0.7	1.4	1.1	1.0
General purpose machinery and equipment.....	11	4	13.1	1.0	1.0	1.3	1.9	1.2
Electrical machinery and equipment.....	11	7	7.6	0.5	0.6	0.5	1.2	0.6
Construction sand, gravel, and crushed stone.....	13	21	7.9	0.2	0.7	0.0	2.5	1.6
Cement.....	13	22	7.6	0.3	0.1	0.4	3.2	0.5
Motor vehicle parts ²	14	12	5.1	0.4	0.7	0.2	0.7	0.2
Aircraft and aircraft equipment.....	14	2	2.0	0.3	0.1	0.3	0.3	0.2
Stage 3 intermediate demand services.....	ID5	9312	7.9	0.2	0.4	0.8	0.5	0.1
Rail transportation of freight and mail ²	30	11	8.4	0.8	0.7	0.4	1.4	0.3
Courier, messenger, and U.S. postal services.....	30	16	8.4	1.1	0.6	0.1	1.3	-0.1
Arrangement of freight and cargo ²	31	31	68.2	-2.4	-1.1	6.3	-5.9	2.9
Freight forwarding ²	31	3201	9.6	-0.3	1.2	1.1	-0.3	-1.6
Warehousing, storage, and related services ²	32	1	13.4	2.0	-1.2	3.4	6.0	-3.4
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-0.9	0.4	0.1	0.1	1.3	-2.3
Wired telephone services ²	37	1	0.9	0.2	0.1	0.0	0.2	0.0
Bundled wired telecommunications access services ²	37	5	3.1	1.1	-1.5	0.8	0.2	0.0
Data processing and related services ²	38	1	0.0	0.2	0.0	0.0	-1.3	0.6
Business loans (partial).....	39	11	8.5	1.0	0.3	2.0	-0.7	-2.9
Deposit services (partial) ²	39	2	-1.2	0.7	0.1	-3.6	1.3	-0.5
Securities brokerage, dealing, investment advice, and related services ²	40	1	2.6	-6.7	8.2	-1.2	-0.5	1.5
Insurance.....	41	11	1.2	0.0	0.1	0.2	0.2	0.3
Nonresidential real estate rents ²	43	11	2.7	-1.3	0.2	0.9	1.3	-2.8
Legal services.....	45	1	5.8	0.7	0.4	0.4	1.0	0.3
Accounting services (partial).....	45	2	0.3	-0.6	0.1	0.1	-0.3	1.0
Architectural and engineering services.....	45	3	4.6	0.2	0.1	0.0	2.6	-0.1
Management, scientific, and technical consulting services.....	45	4	3.7	0.8	-0.3	0.4	1.8	-0.3
Advertising agency services ²	45	51	6.4	-2.7	5.0	2.0	1.9	0.2
Staffing services.....	46	3	4.5	0.2	0.9	0.8	0.7	-0.2
Aircraft repair maintenance.....	55	4	3.6	0.2	0.5	0.2	-1.0	0.0
Machinery and equipment parts and supplies wholesaling ²	57	1102	17.3	1.7	5.2	-0.2	2.6	0.9
Building materials, paint, and hardware wholesaling.....	57	3	26.4	6.5	-3.2	0.4	3.1	0.1
Metals, minerals, and ores wholesaling ²	57	4	17.6	-4.5	-7.5	2.0	-4.7	-0.3
Chemicals and allied products wholesaling ²	57	5	-0.5	0.5	-1.7	1.1	-5.1	-1.2
Paper and plastics products wholesaling ²	57	6	23.0	2.1	3.8	-2.2	2.9	2.2
Food wholesaling ²	57	8101	7.6	3.9	-3.0	1.6	0.4	1.1
Metal treatment services ²	59	1	8.8	2.7	0.8	1.0	-0.7	0.7
Stage 2 intermediate demand.....	ID5	2	19.6	3.7	1.2	-2.3	-0.1	6.5
Stage 2 intermediate demand goods.....	ID5	9211	33.9	7.9	1.7	-5.7	-0.2	13.5
Corn.....	01	2202	15.7	-7.1	3.8	3.2	1.6	1.8
Oilseeds.....	01	83	10.4	-5.9	-1.6	0.5	8.7	9.2
Prepared animal feeds ²	02	9	11.1	-0.5	0.1	0.3	3.0	2.8
Coal.....	05	1	21.9	-1.8	0.9	0.5	15.2	3.0
Natural gas ²	05	31	47.6	25.4	3.9	-14.8	-21.5	65.1
Liquefied petroleum gas ²	05	32	57.2	14.6	-9.9	-15.9	14.1	8.1
Crude petroleum ²	05	61	66.6	13.8	1.0	-11.8	15.7	13.7
No. 2 diesel fuel.....	05	7303	57.5	11.6	-3.2	-3.1	9.3	14.9
Industrial chemicals.....	06	1	26.2	1.7	2.3	-1.4	-0.6	1.5
Plastic resins and materials.....	06	6	21.7	-0.5	0.0	-1.3	-2.5	-0.7
Plastic products ²	07	2	25.1	2.1	1.9	1.5	1.0	1.1
Logs, bolts, timber, pulpwood, and wood chips ²	08	5	6.2	-0.1	-0.4	0.5	2.3	1.4

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Feb. 2021 to Feb. 2022 ^P	Sept. to Oct.	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P
Paper ²	09	13	17.6	0.9	1.2	0.4	1.1	1.1
Paperboard, excluding corrugated paperboard ²	09	1411	18.8	4.0	0.1	0.8	0.3	0.0
Commercial printing ²	09	47	13.0	0.6	3.6	0.6	1.3	2.5
Iron and steel scrap ²	10	12	9.3	-0.4	8.8	-1.8	-9.2	-1.4
Steel mill products ²	10	17	74.4	4.1	3.0	0.2	-1.5	-9.9
Nonferrous mill shapes ²	10	25	30.0	2.7	1.6	-4.1	3.9	3.8
Electrical machinery and equipment.....	11	7	7.6	0.5	0.6	0.5	1.2	0.6
Electronic components and accessories.....	11	78	3.3	0.1	0.4	0.3	1.1	0.0
Stage 2 intermediate demand services.....	ID5	9212	7.1	-0.1	0.8	1.0	0.0	-0.1
Rail transportation of freight and mail ²	30	11	8.4	0.8	0.7	0.4	1.4	0.3
Truck transportation of freight ²	30	12	19.1	2.1	2.4	0.8	1.6	2.0
Pipeline transportation of petroleum products.....	30	1501	1.6	0.3	0.4	0.3	-0.1	0.2
U.S. Postal Service.....	30	1601	5.5	1.1	0.0	0.2	-0.6	-1.9
Courier and messenger services, except air.....	30	1602	9.0	0.8	1.0	0.3	2.4	0.7
Air mail and package delivery services, excluding by USPS.....	30	1603	14.3	1.5	1.6	-0.6	3.5	2.4
Airline passenger services.....	30	22	16.8	-1.3	5.3	4.0	-4.5	3.0
Arrangement of freight and cargo ²	31	31	68.2	-2.4	-1.1	6.3	-5.9	2.9
Television advertising time sales.....	36	21	-7.0	-2.2	5.1	3.2	1.4	-3.3
Wireless telecommunication services.....	37	2	0.6	0.0	0.2	-0.1	-0.2	0.7
Data processing and related services ²	38	1	0.0	0.2	0.0	0.0	-1.3	0.6
Securities brokerage, dealing, investment advice, and related services ²	40	1	2.6	-6.7	8.2	-1.2	-0.5	1.5
Portfolio management ²	40	2	4.1	-1.3	2.6	-0.3	1.8	-4.2
Investment banking ²	40	31	16.6	0.0	0.0	1.9	0.1	0.2
Insurance.....	41	11	1.2	0.0	0.1	0.2	0.2	0.3
Commissions from sales of insurance ²	42	11	0.6	0.0	0.0	0.0	0.0	0.0
Legal services.....	45	1	5.8	0.7	0.4	0.4	1.0	0.3
Accounting services (partial).....	45	2	0.3	-0.6	0.1	0.1	-0.3	1.0
Management, scientific, and technical consulting services.....	45	4	3.7	0.8	-0.3	0.4	1.8	-0.3
Advertising agency services ²	45	51	6.4	-2.7	5.0	2.0	1.9	0.2
Staffing services.....	46	3	4.5	0.2	0.9	0.8	0.7	-0.2
Security guard services ²	48	1	6.2	0.6	0.0	0.5	1.1	0.1
Janitorial services ²	49	1	8.5	0.1	0.3	2.6	1.7	1.4
Traveler accommodation services.....	53	1	20.6	-0.4	4.2	3.9	1.1	-3.4
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.2	0.7	0.4	0.2	0.9	3.1
Hardware and building materials and supplies retailing.....	58	D	15.4	0.1	-4.9	2.0	8.8	6.3
Stage 1 intermediate demand.....	ID5	1	16.4	1.1	1.3	0.3	1.2	0.9
Stage 1 intermediate demand goods.....	ID5	9111	25.2	2.5	2.0	0.0	1.6	1.7
Prepared animal feeds ²	02	9	11.1	-0.5	0.1	0.3	3.0	2.8
Commercial electric power.....	05	42	13.7	0.1	1.9	-1.1	4.7	3.0
Industrial electric power.....	05	43	15.1	2.1	1.2	-1.0	3.2	2.5
Commercial natural gas.....	05	52	29.0	6.5	0.6	-1.2	0.4	0.7
Industrial natural gas.....	05	53	48.8	10.4	2.2	-2.6	-3.1	9.1
Gasoline.....	05	71	60.6	6.8	2.9	-1.8	3.3	14.8
No. 2 diesel fuel.....	05	7303	57.5	11.6	-3.2	-3.1	9.3	14.9
Industrial chemicals.....	06	1	26.2	1.7	2.3	-1.4	-0.6	1.5
Prepared paint ²	06	21	21.1	1.1	0.8	1.0	6.5	0.6
Plastic construction products ²	07	21	35.6	2.9	1.7	1.4	1.6	1.3
Recyclable paper ²	09	12	58.8	6.3	-4.2	-7.3	-6.1	-1.0
Paper ²	09	13	17.6	0.9	1.2	0.4	1.1	1.1
Converted paper and paperboard products ²	09	15	13.1	1.8	1.0	0.5	1.2	1.0
Iron and steel scrap ²	10	12	9.3	-0.4	8.8	-1.8	-9.2	-1.4
Steel mill products ²	10	17	74.4	4.1	3.0	0.2	-1.5	-9.9
Primary nonferrous metals ²	10	22	33.4	3.9	-3.7	0.5	4.7	5.4
Nonferrous scrap.....	10	23	17.6	0.6	0.3	-5.2	4.2	5.9
Nonferrous wire and cable ²	10	26	25.7	3.2	1.5	-1.6	0.1	0.9
Fabricated structural metal products.....	10	7	39.8	2.5	3.2	2.1	0.8	1.0
General purpose machinery and equipment.....	11	4	13.1	1.0	1.0	1.3	1.9	1.2
Construction sand, gravel, and crushed stone.....	13	21	7.9	0.2	0.7	0.0	2.5	1.6
Stage 1 intermediate demand services.....	ID5	9112	8.1	-0.3	0.6	0.6	0.8	0.0
Truck transportation of freight ²	30	12	19.1	2.1	2.4	0.8	1.6	2.0
Airline passenger services.....	30	22	16.8	-1.3	5.3	4.0	-4.5	3.0
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-0.9	0.4	0.1	0.1	1.3	-2.3
Business wired telecommunication services ²	37	12	0.8	0.0	0.1	0.1	0.2	0.0
Wireless telecommunication services.....	37	2	0.6	0.0	0.2	-0.1	-0.2	0.7

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
 [February 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Feb. 2021 to Feb. 2022 ^p	Sept. to Oct.	Oct. to Nov. ^p	Nov. to Dec. ^p	Dec. to Jan. ^p
Bundled wired telecommunications access services ²	37	5	3.1	1.1	-1.5	0.8	0.2	0.0
Business loans (partial).....	39	11	8.5	1.0	0.3	2.0	-0.7	-2.9
Deposit services (partial) ²	39	2	-1.2	0.7	0.1	-3.6	1.3	-0.5
Securities brokerage, dealing, investment advice, and related services ²	40	1	2.6	-6.7	8.2	-1.2	-0.5	1.5
Portfolio management ²	40	2	4.1	-1.3	2.6	-0.3	1.8	-4.2
Investment banking ²	40	3	16.6	0.0	0.0	1.9	0.1	0.2
Insurance.....	41	11	1.2	0.0	0.1	0.2	0.2	0.3
Nonresidential real estate rents ²	43	11	2.7	-1.3	0.2	0.9	1.3	-2.8
Architectural and engineering services.....	45	3	4.6	0.2	0.1	0.0	2.6	-0.1
Management consulting services.....	45	41	3.7	0.8	-0.3	0.4	1.8	-0.3
Waste collection.....	50	1	4.5	0.6	0.4	0.5	0.2	0.9
Traveler accommodation services.....	53	11	20.6	-0.4	4.2	3.9	1.1	-3.4
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.2	0.7	0.4	0.2	0.9	3.1
Machinery and equipment parts and supplies wholesaling ²	57	1102	17.3	1.7	5.2	-0.2	2.6	0.9
Building materials, paint, and hardware wholesaling.....	57	3	26.4	6.5	-3.2	0.4	3.1	0.1
Metals, minerals, and ores wholesaling ²	57	4	17.6	-4.5	-7.5	2.0	-4.7	-0.3
Chemicals and allied products wholesaling ²	57	5	-0.5	0.5	-1.7	1.1	-5.1	-1.2
Paper and plastics products wholesaling ²	57	6	23.0	2.1	3.8	-2.2	2.9	2.2
Hardware and building materials and supplies retailing.....	58	D	15.4	0.1	-4.9	2.0	8.8	6.3
Mining services ²	60	1	9.6	0.9	0.1	2.0	2.3	0.0

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

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

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

p Preliminary

"-" Data not available.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Oct. 2021	Nov. 2021 ^P	Dec. 2021 ^P	Jan. 2022 ^P	Feb. 2022 ^P
Final Demand								
Final demand.....		FD	4	130.025	131.255	131.835	133.420	134.462
Final demand goods.....		FD	41	130.997	132.173	132.083	134.018	137.194
Final demand foods.....		FD	411	135.598	137.287	136.945	139.276	141.925
Finished consumer foods ²	00/82	FD	4111	236.817	239.893	239.231	242.927	246.952
Finished consumer foods, crude.....	00/82	FD	411113	240.090	263.895	253.724	240.700	244.951
Finished consumer foods, processed.....	00/82	FD	41112	236.985	237.838	238.198	243.700	247.710
Government purchased foods.....		FD	4112	139.792	140.600	140.464	143.860	146.433
Foods for export.....		FD	4113	143.012	144.854	144.588	147.687	152.312
Final demand energy.....		FD	412	131.514	132.644	130.776	135.653	146.818
Finished consumer energy goods ²	00/82	FD	4121	206.784	208.508	206.455	212.767	228.986
Government purchased energy.....		FD	4122	137.162	138.358	134.224	142.877	156.776
Energy for export.....		FD	4123	120.944	122.356	118.211	125.997	142.023
Final demand goods less foods and energy.....		FD	413	129.547	130.602	131.094	132.071	133.061
Finished goods less foods and energy ²	00/82	FD	4131	222.768	224.084	225.284	227.115	229.314
Finished consumer goods less foods and energy.....	00/82	FD	41311	248.996	250.522	251.950	253.611	256.004
Nondurable consumer goods less foods and energy.....	00/82	FD	413111	319.504	321.615	323.796	325.548	328.639
Durable consumer goods.....	00/82	FD	413112	176.067	177.002	177.685	179.215	180.887
Private capital equipment.....	00/82	FD	41312	190.005	191.079	192.026	193.926	195.858
Private capital equipment for manufacturing industries.....	00/82	FD	413121	198.466	199.759	201.025	203.782	206.353
Private capital equipment for nonmanufacturing industries.....	00/82	FD	413122	187.356	188.370	189.228	190.893	192.648
Government purchased goods, excluding foods and energy.....		FD	4132	125.598	126.692	127.443	128.813	129.727
Government purchased goods excluding foods, energy, and capital equipment.....		FD	41321	132.208	133.916	134.842	136.698	138.107
Government purchased capital equipment.....		FD	41322	115.511	115.817	116.337	117.075	117.353
Goods for export, excluding foods and energy.....		FD	4133	131.317	132.864	132.915	133.613	134.132
Final demand services.....		FD	42	128.896	130.168	131.093	132.408	132.365
Final demand trade services ³		FD	423	135.242	137.045	139.008	141.303	141.558
Trade of finished goods ²		FD	4231	134.303	136.004	138.191	140.439	140.640
Trade of personal consumption goods.....		FD	42311	134.687	136.256	138.527	140.052	140.191
Trade of private capital equipment.....		FD	42312	131.133	133.390	135.185	140.576	141.044
Trade of government purchased goods.....		FD	4232	138.843	141.477	141.859	145.316	145.965
Trade of government purchased goods, excluding capital equipment.....		FD	42321	145.435	147.860	147.561	149.821	150.332
Trade of government purchased capital equipment.....		FD	42322	127.551	130.477	131.889	137.131	137.983
Trade of exports.....		FD	4233	142.757	145.163	145.744	148.038	148.621
Final demand transportation and warehousing services.....		FD	422	134.677	138.371	140.488	140.529	143.204
Transportation of passengers for final demand.....		FD	4221	105.264	110.800	115.120	109.972	113.271
Transportation of private passengers.....		FD	42211	105.337	110.858	115.167	110.030	113.327
Transportation of government passengers.....		FD	42212	105.429	110.887	115.145	110.063	113.318
Transportation of passengers for export.....		FD	42213	104.957	110.557	114.928	109.726	113.061
Transportation and warehousing of goods for final demand.....		FD	4222	145.969	148.812	149.938	152.253	154.623
Transportation and warehousing of finished goods ²		FD	42221	145.028	147.949	149.092	151.286	153.693
Transportation and warehousing of personal consumption goods.....		FD	422211	145.322	148.203	149.325	151.498	153.840
Transportation and warehousing of private capital equipment.....		FD	422212	143.852	146.929	148.159	150.441	153.111
Transportation and warehousing of government purchased goods.....		FD	42222	143.476	145.717	147.051	149.277	150.697
Transportation and warehousing of exports.....		FD	42223	149.769	152.581	153.625	156.268	158.776
Final demand services less trade, transportation, and warehousing.....		FD	421	125.487	126.278	126.608	127.599	127.152
Finished services less trade, transportation, and warehousing ²		FD	4211	125.936	126.696	127.038	128.022	127.610
Finished consumer services less trade, transportation, and warehousing.....		FD	42111	125.702	126.540	126.815	127.720	127.261
Private capital investment services less trade, transportation, and warehousing.....		FD	42112	128.339	128.417	129.347	131.027	131.029
Government purchased services less trade, transportation, and warehousing.....		FD	4212	117.851	118.537	118.894	119.787	119.507
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....		FD	42121	118.216	118.947	119.310	120.258	120.022
Government purchased capital investment services less trade, transportation, and warehousing.....		FD	42122	108.047	107.777	108.021	107.759	106.589
Services for export less trade, transportation, and warehousing.....		FD	4213	128.525	129.889	130.021	131.228	130.088
Final demand construction.....		FD	43	145.511	146.035	146.417	151.654	152.604
Construction for private capital investment.....		FD	431	147.209	147.765	148.304	154.265	155.365
Construction for government.....		FD	432	142.215	142.679	142.780	146.707	147.384
Final Demand Special Groupings								
Final demand less exports.....	04/10	FD	49101	127.612	128.733	129.373	130.972	131.986
Final demand less government.....	04/10	FD	49102	128.325	129.546	130.164	131.658	132.608
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy ¹	04/10	FD	49103	128.191	129.442	130.243	131.527	131.765
Final demand less foods and energy ⁴	04/10	FD	49104	128.020	129.214	130.015	131.305	131.528
Final demand less foods and food and nonalcoholic beverages for immediate consumption ⁴	04/10	FD	49105	128.020	129.260	129.874	131.401	132.387

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Oct. 2021	Nov. 2021 ^P	Dec. 2021 ^P	Jan. 2022 ^P	Feb. 2022 ^P
Final demand less foods ⁴	04/10	FD	49106	127.806	128.992	129.617	131.136	132.069
Final demand less energy.....	04/10	FD	49107	128.200	129.420	130.154	131.502	131.865
Final demand less trade services.....	01/10	FD	49108	127.358	128.440	128.687	130.087	131.310
Final demand less distributive services ⁵	01/10	FD	49109	126.673	127.690	127.904	129.271	130.451
Final demand goods less energy.....	01/10	FD	49111	129.634	130.808	131.127	132.369	133.687
Final demand goods less foods.....	04/10	FD	49112	127.081	128.129	128.091	129.904	133.109
Final demand services less trade services.....	04/10	FD	49113	125.317	126.361	126.848	127.747	127.582
Final demand distributive services ⁵	04/10	FD	49114	134.141	136.044	137.864	140.120	140.640
Final demand goods plus final demand distributive services ⁵	04/10	FD	49115	130.493	131.943	132.614	134.651	136.728
Final demand less foods, energy, and trade services ⁴	08/13	FD	49116	119.013	119.982	120.436	121.392	121.594
Private and government purchased capital equipment.....	08/13	FD	49117	115.295	115.898	116.465	117.559	118.606
Private and government purchased capital investment services.....	08/13	FD	49118	119.665	120.783	121.984	125.042	125.350
Total private and government purchased capital investment.....	08/13	FD	49119	119.636	120.475	121.327	123.731	124.411
Total finished ²	01/10	FD	49201	128.601	129.730	130.435	131.968	132.897
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy ^{2, 4}	12/10	FD	49202	127.457	128.552	129.472	130.801	130.981
Total finished less foods and energy ^{2, 4}	01/10	FD	49203	128.367	129.464	130.381	131.706	131.882
Total finished less foods and food and nonalcoholic beverages for immediate consumption ⁴	12/10	FD	49204	126.988	128.077	128.841	130.343	131.205
Total finished less foods ^{2, 4}	01/10	FD	49205	128.402	129.497	130.264	131.767	132.620
Total finished less energy ²	01/10	FD	49206	128.588	129.721	130.562	131.931	132.228
Finished goods ²	00/82	FD	49207	230.088	231.913	231.940	235.383	241.686
Finished goods less energy ²	00/82	FD	49208	225.993	227.757	228.479	230.784	233.446
Finished goods, excluding foods ^{2, 4}	00/82	FD	49209	227.481	228.988	229.186	232.552	239.394
Finished services ²	01/10	FD	49210	127.792	128.968	129.940	131.238	131.161
Private capital investment services.....	04/10	FD	49211	128.985	130.146	131.450	134.725	135.063
Finished distributive services ^{2, 5}	04/10	FD	49212	132.816	134.606	136.647	138.846	139.265
Finished services less trade services ²	04/10	FD	49213	125.516	126.476	126.940	127.843	127.649
Finished services less distributive services ^{2, 5}	04/10	FD	49214	124.645	125.507	125.937	126.776	126.450
Total private capital investment (goods, services, and construction).....	04/10	FD	49215	126.728	127.644	128.598	131.187	131.953
Finished goods plus finished distributive services ²	04/10	FD	49216	130.521	131.899	132.857	134.908	136.986
Total exports.....	04/10	FD	49301	129.999	131.764	131.909	133.224	134.312
Goods for export.....	00/82	FD	49302	222.084	224.726	224.406	226.583	229.456
Services for export.....	04/10	FD	49303	134.655	136.814	137.467	138.891	139.118
Total government purchases.....	04/10	FD	49401	124.241	125.337	125.369	127.687	129.592
Government purchased goods.....	00/82	FD	49402	211.828	213.601	212.806	218.177	224.914
Government purchased services.....	04/10	FD	49403	122.136	123.387	123.900	125.168	125.240
Total government purchased capital investment (goods, services, construction).....	08/13	FD	49404	117.955	118.598	119.082	121.161	121.517
Personal consumption.....	01/10	FD	49501	128.923	130.098	130.747	132.046	133.011
Personal consumption goods (finished consumer goods).....	00/82	FD	49502	247.143	249.303	248.903	253.040	261.329
Personal consumption goods less energy.....	00/82	FD	49503	244.492	246.674	247.226	249.748	252.834
Personal consumption goods less foods.....	00/82	FD	49504	249.480	251.252	250.962	255.246	265.204
Personal consumption nondurable goods less foods.....	00/82	FD	49508	281.408	283.538	282.845	288.294	301.741
Personal consumption services.....	04/10	FD	49505	127.091	128.265	129.183	130.185	130.047
Personal consumption less trade services.....	04/10	FD	49506	127.038	128.105	128.322	129.556	130.738
Personal consumption less distributive services ⁵	04/10	FD	49507	126.555	127.568	127.756	128.963	130.110
Personal consumption less foods and energy.....	04/14	FD	49510	118.786	119.840	120.677	121.596	121.617
Personal consumption less foods, energy, and trade services ³	04/14	FD	49511	117.269	118.196	118.623	119.384	119.369
Personal consumption less foods, energy, and distributive services ⁵	04/14	FD	49512	117.013	117.877	118.283	118.999	118.900
Personal consumption goods plus personal consumption distributive services ⁵	08/13	FD	49509	120.551	121.833	122.690	124.406	126.592
Intermediate Demand by Commodity Type								
Processed goods								
Processed goods for intermediate demand.....	00/82	ID6	1	245.129	248.760	248.681	253.730	257.909
Materials and components for manufacturing.....	00/82	ID6	11	234.392	237.278	237.957	240.418	239.596
Materials for manufacturing.....		ID6	111	153.676	155.890	155.880	157.311	156.007
Materials for food manufacturing.....	00/82	ID6	1111	232.827	233.385	233.557	239.610	244.450
Materials for nondurable manufacturing.....	00/82	ID6	1112	275.309	279.210	277.825	278.295	282.070
Materials for durable manufacturing.....	00/82	ID6	1113	316.967	322.811	324.283	327.978	315.332
Components for manufacturing.....	00/82	ID6	112	171.179	172.579	174.074	176.273	177.347
Components for nondurable manufacturing.....		ID6	1121	134.869	137.013	138.736	140.800	141.811
Components for durable manufacturing.....		ID6	1122	120.733	121.671	122.699	124.234	124.984
Materials and components for construction.....	00/82	ID6	12	311.906	317.583	323.534	333.437	337.530
Materials for construction.....		ID6	121	150.251	152.541	156.184	164.048	166.332
Components for construction.....		ID6	122	157.077	160.282	162.676	165.260	167.078
Processed fuels and lubricants for intermediate demand.....	00/82	ID6	13	231.937	237.748	231.511	241.631	259.399
Processed fuels and lubricants to manufacturing industries.....	00/82	ID6	131	236.798	236.924	235.106	243.438	256.855
Processed fuels and lubricants to nonmanufacturing industries.....	00/82	ID6	132	230.754	238.438	230.742	241.466	260.691
Containers for intermediate demand.....	00/82	ID6	14	273.539	276.101	278.756	288.210	292.179

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Oct. 2021	Nov. 2021 ^P	Dec. 2021 ^P	Jan. 2022 ^P	Feb. 2022 ^P
Supplies for intermediate demand.....	00/82	ID6	15	229.923	232.364	233.920	237.481	239.780
Supplies to manufacturing industries.....	00/82	ID6	151	229.567	232.462	233.281	236.025	238.170
Supplies to nonmanufacturing industries.....	00/82	ID6	152	228.141	230.491	232.151	235.812	238.118
Supplies to nonmanufacturing industries, feeds.....	00/82	ID6	1521	223.609	222.714	221.804	227.399	232.567
Supplies to nonmanufacturing industries, other than feeds.....	00/82	ID6	1522	230.414	233.108	235.039	238.536	240.572
Unprocessed goods								
Unprocessed goods for intermediate demand.....	00/82	ID6	2	273.095	279.292	265.528	265.805	304.539
Unprocessed foodstuffs and feedstuffs.....	00/82	ID6	21	206.398	209.049	216.991	222.931	229.715
Unprocessed nonfood materials.....	00/82	ID6	22	307.471	315.757	288.451	285.073	343.162
Unprocessed nonfood materials except fuel.....	00/82	ID6	221	343.798	351.481	329.892	350.954	376.368
Unprocessed nonfood materials except fuel to manufacturing industries.....	00/82	ID6	2211	321.420	328.834	307.755	327.962	352.542
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	00/82	ID6	2212	293.047	294.851	294.923	302.222	306.943
Unprocessed fuel.....	00/82	ID6	222	236.500	244.901	212.430	177.980	273.360
Unprocessed fuel to manufacturing industries.....	00/82	ID6	2221	204.287	208.841	195.784	206.401	245.428
Unprocessed fuel to nonmanufacturing industries.....	00/82	ID6	2222	245.201	254.074	219.509	181.370	282.860
Services								
Services for intermediate demand.....		ID6	3	132.945	133.971	134.825	135.732	135.711
Trade services for intermediate demand ⁵		ID6	33	156.324	156.673	157.544	159.267	160.555
Trade services for manufacturing industries.....	12/12	ID6	331	144.172	144.700	145.222	145.667	146.298
Trade services for nonmanufacturing industries.....	12/12	ID6	332	137.729	137.830	138.878	141.543	143.234
Transportation and warehousing services for intermediate demand.....		ID6	32	145.764	147.164	149.378	149.719	150.561
Transportation of passengers for intermediate demand.....		ID6	321	105.507	110.962	115.217	110.137	113.391
Transportation of passengers for manufacturing industries.....		ID6	3211	104.959	110.553	114.920	109.723	113.055
Transportation of passengers for nonmanufacturing industries.....		ID6	3212	105.630	111.068	115.311	110.244	113.489
Transportation and warehousing of goods for intermediate demand.....		ID6	322	150.083	151.056	153.056	153.969	154.556
Transportation and warehousing of goods for manufacturing industries.....	12/12	ID6	3221	120.984	122.820	123.849	125.475	127.064
Transportation and warehousing of goods for nonmanufacturing industries.....	12/12	ID6	3222	135.093	135.671	137.636	138.207	138.420
Services less trade, transportation, and warehousing for intermediate demand.....		ID6	31	124.357	125.507	126.120	126.900	126.366
Services less trade, transportation, and warehousing for manufacturing industries.....		ID6	311	117.785	118.234	118.828	119.496	120.064
Services less trade, transportation, and warehousing for nonmanufacturing industries.....		ID6	312	124.562	125.737	126.351	127.134	126.562
Construction								
Construction for intermediate demand.....		ID6	4	130.499	131.209	131.159	132.662	133.701
Intermediate Demand by Commodity Type Special Groupings								
Processed materials less foods and feeds.....	00/82	ID6	9111	246.795	250.754	250.667	255.650	259.797
Processed foods and feeds.....	00/82	ID6	9112	228.153	228.301	228.334	234.072	238.605
Processed energy goods.....	00/82	ID6	9113	233.014	238.852	232.586	242.753	260.603
Processed materials less energy.....	00/82	ID6	9118	245.216	248.249	249.727	253.431	254.127
Processed materials less foods and energy.....	00/82	ID6	9115	246.801	250.172	251.820	255.274	255.515
Intermediate distributive services ⁶	04/10	ID6	9116	151.191	151.755	153.011	154.414	155.429
Processed goods plus intermediate distributive services.....	04/10	ID6	9117	138.109	139.712	140.012	142.404	144.346
Unprocessed materials less agricultural products.....	00/82	ID6	9211	312.814	320.630	290.531	285.258	350.614
Unprocessed energy materials ⁷	00/82	ID6	9212	245.447	251.249	220.225	215.422	285.050
Unprocessed materials less energy.....	00/82	ID6	9213	272.874	278.972	282.821	287.035	293.961
Unprocessed nonfood materials less energy ⁸	00/82	ID6	9216	472.529	488.508	479.688	478.337	484.840
Intermediate Demand by Production Flow								
Stage 4 Intermediate Demand								
Stage 4 intermediate demand.....		ID5	4	135.575	137.293	137.991	139.976	140.667
Inputs to stage 4 goods producers.....		ID5	41	135.443	137.378	137.919	139.815	140.507
Goods.....		ID5	411	130.834	132.530	133.130	135.031	135.602
Foods.....		ID5	4111	138.022	141.267	141.200	143.401	146.837
Energy.....		ID5	4112	137.728	142.636	148.642	149.908	159.738
Goods excluding foods and energy.....		ID5	4113	129.734	131.170	131.823	133.685	133.745
Services.....		ID5	412	150.911	153.545	153.934	155.853	156.894
Trade services.....		ID5	4123	160.490	163.728	164.009	166.128	167.332
Transportation and warehousing services.....		ID5	4122	124.845	127.181	128.697	129.292	130.792
Transportation of passengers.....		ID5	41221	104.957	110.556	114.927	109.725	113.060
Transportation and warehousing of goods.....		ID5	41222	137.006	138.858	139.915	141.684	142.924
Services less trade, transportation, and warehousing.....		ID5	4121	119.562	119.936	120.394	121.910	122.173
Inputs to stage 4 services producers.....		ID5	42	132.251	133.854	134.373	135.876	136.041
Goods.....		ID5	421	132.859	134.783	135.014	137.628	140.346
Foods.....		ID5	4211	142.870	143.001	143.359	144.923	148.102

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Oct. 2021	Nov. 2021 ^P	Dec. 2021 ^P	Jan. 2022 ^P	Feb. 2022 ^P
Energy.....		ID5	4212	125.045	128.662	126.494	131.120	136.530
Goods excluding foods and energy.....		ID5	4213	133.573	135.115	136.577	138.422	139.576
Services.....		ID5	422	131.901	133.389	134.012	135.113	134.355
Trade services.....		ID5	4223	142.525	144.707	145.120	146.620	147.392
Transportation and warehousing services.....		ID5	4222	136.215	137.232	139.636	140.757	140.176
Transportation of passengers.....		ID5	42221	104.766	110.301	114.620	109.475	112.773
Transportation and warehousing of goods.....		ID5	42222	142.391	142.579	144.639	146.915	145.619
Services less trade, transportation, and warehousing.....		ID5	4221	129.517	130.955	131.425	132.465	131.489
Construction.....		ID5	423	130.499	131.209	131.159	132.662	133.701
Inputs to stage 4 construction producers.....		ID5	43	147.442	149.073	150.861	154.970	157.763
Goods.....		ID5	431	148.576	151.430	153.670	158.368	161.793
Energy.....		ID5	4312	149.379	152.440	150.731	155.933	176.136
Goods excluding foods and energy.....		ID5	4313	151.955	154.855	157.533	162.291	164.159
Services.....		ID5	432	144.038	142.753	143.456	146.142	147.421
Trade services.....		ID5	4323	164.777	160.661	161.721	164.991	167.005
Transportation and warehousing services.....		ID5	4322	140.241	143.230	144.479	146.475	148.873
Transportation of passengers.....		ID5	43221	109.477	115.299	119.844	114.433	117.902
Transportation and warehousing of goods.....		ID5	43222	141.772	144.700	145.867	148.071	150.453
Services less trade, transportation, and warehousing.....		ID5	4321	121.257	121.455	121.587	123.858	123.960
Stage 3 Intermediate Demand								
Stage 3 intermediate demand.....		ID5	3	139.113	140.238	141.283	143.396	144.777
Inputs to stage 3 goods producers.....		ID5	31	153.929	155.324	157.416	159.669	160.098
Goods.....		ID5	311	151.294	153.285	155.563	158.330	158.629
Foods.....		ID5	3111	150.925	151.722	160.031	166.590	169.033
Energy.....		ID5	3112	136.115	145.083	146.109	145.812	155.615
Goods excluding foods and energy.....		ID5	3113	156.218	158.311	158.234	159.698	158.514
Services.....		ID5	312	153.674	152.487	153.656	153.611	154.550
Trade services.....		ID5	3123	162.218	158.792	160.005	158.704	159.066
Transportation and warehousing services.....		ID5	3122	139.278	141.794	143.114	144.880	147.049
Transportation of passengers.....		ID5	31221	111.769	117.726	122.377	116.842	120.391
Transportation and warehousing of goods.....		ID5	31222	140.643	142.955	144.080	146.266	148.352
Services less trade, transportation, and warehousing.....		ID5	3121	120.868	121.334	121.883	123.099	123.777
Inputs to stage 3 services producers.....		ID5	32	126.929	127.898	128.044	129.906	132.010
Goods.....		ID5	321	116.309	117.054	114.327	120.156	129.675
Foods.....		ID5	3211	141.823	143.107	144.228	148.028	150.256
Energy.....		ID5	3212	117.219	117.375	112.618	121.195	135.909
Goods excluding foods and energy.....		ID5	3213	123.686	125.478	125.890	127.582	129.222
Services.....		ID5	322	129.911	130.955	132.009	132.627	132.420
Trade services.....		ID5	3223	167.114	168.520	167.961	170.654	170.973
Transportation and warehousing services.....		ID5	3222	157.843	158.118	160.627	160.242	160.343
Transportation of passengers.....		ID5	32221	101.468	101.567	101.545	101.087	101.288
Transportation and warehousing of goods.....		ID5	32222	158.331	158.608	161.131	160.745	160.846
Services less trade, transportation, and warehousing.....		ID5	3221	120.721	121.945	122.744	123.477	123.149
Construction.....		ID5	323	130.499	131.209	131.159	132.662	133.701
Inputs to stage 3 construction producers.....		ID5	33	134.090	132.661	134.856	142.017	145.788
Goods.....		ID5	331	124.305	126.389	129.132	135.278	136.926
Energy.....				-	-	-	-	-
Goods excluding foods and energy.....		ID5	3313	158.394	161.050	164.545	172.376	174.477
Services.....		ID5	332	161.517	156.822	158.850	167.904	174.058
Trade services.....		ID5	3323	166.868	161.696	163.831	173.675	180.309
Transportation and warehousing services.....		ID5	3322	102.490	103.183	104.234	105.533	106.164
Transportation and warehousing of goods.....		ID5	33222	108.182	108.914	110.023	111.394	112.060
Services less trade, transportation, and warehousing.....		ID5	3321	112.437	113.333	114.083	113.342	114.126
Stage 2 Intermediate Demand								
Stage 2 intermediate demand.....		ID5	2	132.192	133.836	130.727	130.655	139.124
Inputs to stage 2 goods producers.....		ID5	21	130.743	132.534	126.069	125.727	140.560
Goods.....		ID5	211	133.378	135.619	126.967	126.509	145.560
Foods.....		ID5	2111	150.624	149.432	149.653	156.164	164.007
Energy.....		ID5	2112	110.825	112.845	98.737	97.146	127.402
Goods excluding foods and energy.....		ID5	2113	145.627	148.429	148.070	148.309	149.004
Services.....		ID5	212	133.167	133.417	134.598	134.598	134.984
Trade services.....		ID5	2123	150.529	150.139	151.578	151.047	151.465
Transportation and warehousing services.....		ID5	2122	152.171	153.101	154.738	155.411	156.349
Transportation of passengers.....		ID5	21221	106.881	112.167	116.286	111.346	114.506
Transportation and warehousing of goods.....		ID5	21222	154.926	155.567	157.037	158.080	158.870
Services less trade, transportation, and warehousing.....		ID5	2121	116.728	117.336	117.980	118.149	118.089
Construction.....		ID5	213	130.499	131.209	131.159	132.662	133.701
Inputs to stage 2 services producers.....		ID5	22	129.440	130.840	132.131	132.406	132.442

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Oct. 2021	Nov. 2021 ^P	Dec. 2021 ^P	Jan. 2022 ^P	Feb. 2022 ^P
Goods.....		ID5	221	134.018	136.537	137.408	138.809	140.297
Foods.....		ID5	2211	119.661	120.416	121.248	124.762	127.017
Energy.....		ID5	2212	154.198	167.946	160.802	163.543	174.380
Goods excluding foods and energy.....		ID5	2213	133.171	135.012	136.382	137.689	138.596
Services.....		ID5	222	128.443	129.705	131.110	131.170	130.953
Trade services.....		ID5	2223	152.709	159.184	165.026	161.317	160.531
Transportation and warehousing services.....		ID5	2222	161.708	162.479	168.159	162.712	164.691
Transportation of passengers.....		ID5	22221	105.554	111.116	115.456	110.284	113.599
Transportation and warehousing of goods.....		ID5	22222	172.991	172.829	178.782	173.270	174.993
Services less trade, transportation, and warehousing.....		ID5	2221	125.850	126.849	127.682	128.382	128.032
Construction.....		ID5	223	130.499	131.209	131.159	132.662	133.701
Stage 1 Intermediate Demand								
Stage 1 intermediate demand.....		ID5	1	135.621	137.411	137.857	139.500	140.784
Inputs to stage 1 goods producers.....		ID5	11	144.718	147.403	147.534	147.678	147.846
Goods.....		ID5	111	145.517	149.821	149.545	149.983	150.300
Foods.....		ID5	1111	149.947	152.993	155.042	157.047	160.610
Energy.....		ID5	1112	121.830	131.174	128.345	129.390	134.900
Goods excluding foods and energy.....		ID5	1113	154.132	157.567	157.494	157.533	156.077
Services.....		ID5	112	146.290	144.643	145.882	145.232	144.999
Trade services.....		ID5	1123	162.849	159.438	160.839	158.709	158.559
Transportation and warehousing services.....		ID5	1122	132.350	134.182	137.455	137.299	139.389
Transportation of passengers.....		ID5	11221	104.937	110.535	114.905	109.704	113.039
Transportation and warehousing of goods.....		ID5	11222	137.793	138.644	141.599	142.731	144.479
Services less trade, transportation, and warehousing.....		ID5	1121	103.368	103.974	104.533	105.986	105.365
Construction.....		ID5	113	130.499	131.209	131.159	132.662	133.701
Inputs to stage 1 services producers.....		ID5	12	129.698	131.393	131.838	133.628	135.003
Goods.....		ID5	121	129.817	131.184	131.101	134.986	140.038
Foods.....		ID5	1211	103.078	104.702	104.948	107.254	110.337
Energy.....		ID5	1212	142.792	143.693	140.818	148.102	160.730
Goods excluding foods and energy.....		ID5	1213	130.850	132.517	133.787	136.243	137.899
Services.....		ID5	122	129.373	131.230	131.939	132.675	132.204
Trade services.....		ID5	1223	150.051	152.580	152.586	155.241	156.111
Transportation and warehousing services.....		ID5	1222	124.864	127.541	129.576	128.763	130.001
Transportation of passengers.....		ID5	12221	104.877	110.471	114.838	109.641	112.973
Transportation and warehousing of goods.....		ID5	12222	149.335	150.632	151.552	153.150	153.325
Services less trade, transportation, and warehousing.....		ID5	1221	126.543	128.198	128.809	129.518	128.667
Construction.....		ID5	123	130.499	131.209	131.159	132.662	133.701
Inputs to stage 1 construction producers.....		ID5	13	148.262	148.157	149.514	154.757	158.815
Goods.....		ID5	131	144.949	146.352	147.667	151.807	155.327
Energy.....		ID5	1312	131.429	128.006	125.317	135.090	151.869
Goods excluding foods and energy.....		ID5	1313	149.012	151.067	152.925	156.396	158.244
Services.....		ID5	132	154.832	151.750	153.188	160.609	165.732
Trade services.....		ID5	1323	162.448	158.090	159.624	168.305	174.038
Transportation and warehousing services.....		ID5	1322	116.818	119.520	120.588	122.463	124.859
Transportation and warehousing of goods.....		ID5	13222	120.833	123.628	124.733	126.672	129.151
Services less trade, transportation, and warehousing.....		ID5	1321	122.213	122.910	122.979	123.154	124.758
Intermediate Demand by Production Flow Special Groupings								
Total goods inputs to stage 4 intermediate demand.....	04/10	ID5	9411	132.210	134.159	134.950	137.553	139.284
Total services inputs to stage 4 intermediate demand.....	04/10	ID5	9412	135.325	136.782	137.370	138.721	138.419
Total construction inputs to stage 4 intermediate demand.....	04/10	ID5	9413	129.418	130.122	130.073	131.563	132.594
Total foods inputs to stage 4 intermediate demand.....	04/10	ID5	9414	136.959	138.842	138.952	140.841	144.094
Total energy goods inputs to stage 4 intermediate demand.....	04/10	ID5	9415	118.686	121.964	120.303	124.524	131.797
Total goods less foods and energy inputs to stage 4 intermediate demand.....	04/10	ID5	9416	134.550	136.328	137.606	140.106	140.806
Total goods inputs to stage 3 intermediate demand.....	04/10	ID5	9311	135.068	136.656	137.593	141.006	143.573
Total services inputs to stage 3 intermediate demand.....	04/10	ID5	9312	133.186	133.737	134.814	135.427	135.518
Total construction inputs to stage 3 intermediate demand.....	04/10	ID5	9313	129.418	130.122	130.073	131.563	132.594
Total foods inputs to stage 3 intermediate demand.....	04/10	ID5	9314	134.261	134.973	142.315	148.132	150.305
Total energy goods inputs to stage 3 intermediate demand.....	04/10	ID5	9315	117.898	119.493	115.780	122.729	136.336
Total goods less foods and energy inputs to stage 3 intermediate demand.....	04/10	ID5	9316	144.784	146.752	146.808	148.346	147.685
Total goods inputs to stage 2 intermediate demand.....	04/10	ID5	9211	127.024	129.184	121.867	121.611	138.050
Total services inputs to stage 2 intermediate demand.....	04/10	ID5	9212	129.975	131.013	132.372	132.419	132.338
Total construction inputs to stage 2 intermediate demand.....	04/10	ID5	9213	129.418	130.122	130.073	131.563	132.594
Total foods inputs to stage 2 intermediate demand.....	04/10	ID5	9214	151.116	149.941	150.171	156.683	164.503
Total energy goods inputs to stage 2 intermediate demand.....	04/10	ID5	9215	108.991	111.103	97.372	95.865	125.261
Total goods less foods and energy inputs to stage 2 intermediate demand.....	04/10	ID5	9216	134.627	137.063	137.096	137.552	138.253
Total goods inputs to stage 1 intermediate demand.....	04/10	ID5	9111	124.521	127.034	127.073	129.048	131.242
Total services inputs to stage 1 intermediate demand.....	04/10	ID5	9112	133.497	134.297	135.156	136.173	136.203

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Oct. 2021	Nov. 2021 ^p	Dec. 2021 ^p	Jan. 2022 ^p	Feb. 2022 ^p
Total construction inputs to stage 1 intermediate demand.	04/10	ID5	9117	129.418	130.122	130.073	131.563	132.594
Total foods inputs to stage 1 intermediate demand.	04/10	ID5	9114	140.147	142.984	144.874	146.767	150.112
Total energy goods inputs to stage 1 intermediate demand.	04/10	ID5	9115	128.787	132.342	129.610	134.568	144.482
Total goods less foods and energy inputs to stage 1 intermediate demand.	04/10	ID5	9116	120.736	122.877	123.500	124.755	124.939

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

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

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

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

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

⁶ Includes intermediate trade, transportation, and warehousing services.

⁷ Includes crude petroleum.

⁸ Excludes crude petroleum.

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“-” Data not available.