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PRODUCER PRICE INDEXES – JANUARY 2022

The Producer Price Index for final demand increased 1.0 percent in January, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. This rise followed advances of 0.4 percent in December 2021 and 0.9 percent in November. (See table A.) On an unadjusted basis, final demand prices moved up 9.7 percent for the 12 months ended January 2022.

In January, the index for final demand services rose 0.7 percent, and prices for final demand goods moved up 1.3 percent.

Prices for final demand less foods, energy, and trade services increased 0.9 percent in January 2022, the largest increase since rising 1.0 percent in January 2021. For the 12 months ended January 2022, the index for final demand less foods, energy, and trade services moved up 6.9 percent.

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

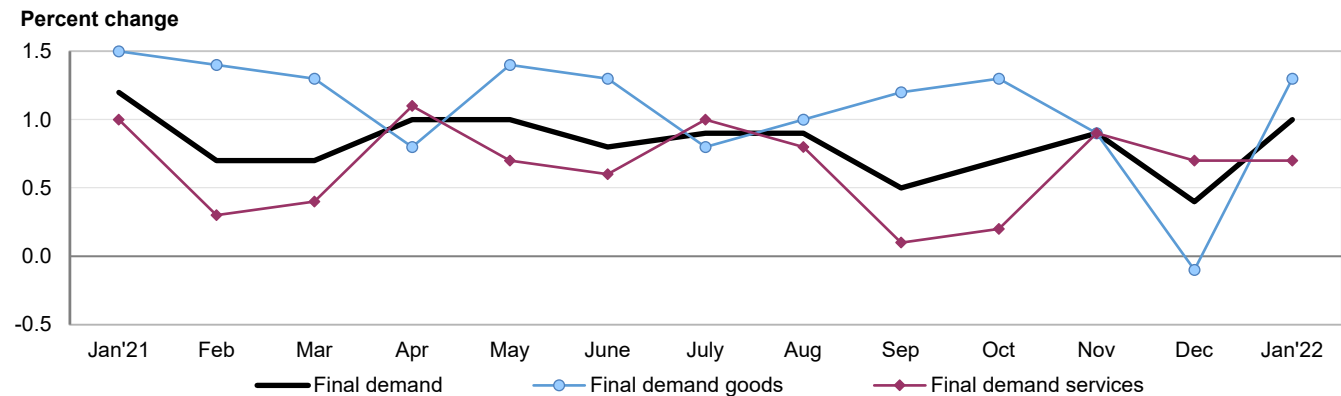
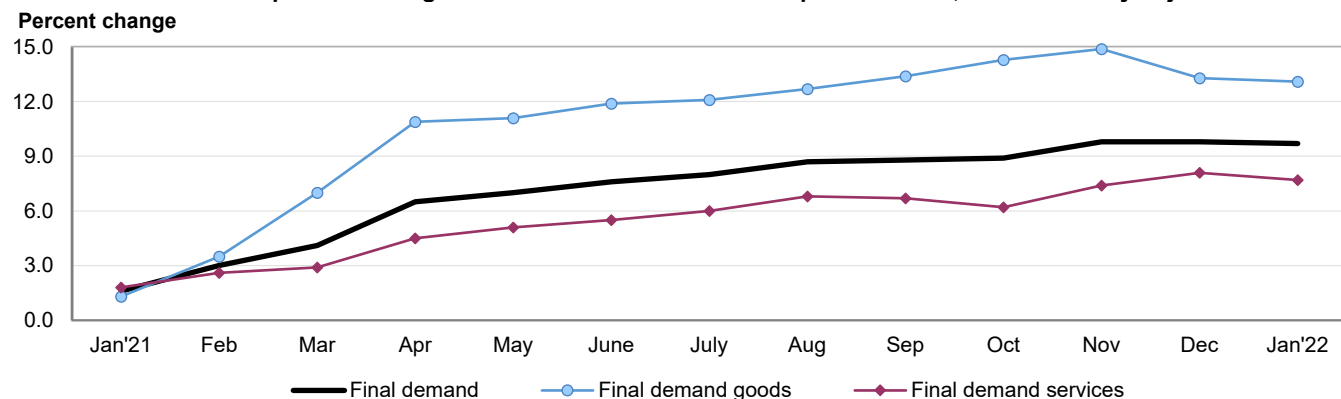


Chart 2. Twelve-month percent changes in selected PPI final demand price indexes, not seasonally adjusted



Final Demand

Final demand services: Prices for final demand services advanced 0.7 percent in January, the same as in December. Three-fourths of the rise in January can be traced to a 0.9-percent increase in the index for final demand services less trade, transportation, and warehousing. Likewise, margins for final demand trade services moved up 0.6 percent. (Trade indexes measure changes in margins received by wholesalers and retailers.) Prices for final demand transportation and warehousing services were unchanged.

Product detail: A major factor in the January increase in the index for final demand services was hospital outpatient care prices, which rose 1.6 percent. The indexes for machinery and vehicle wholesaling; apparel, jewelry, footwear, and accessories retailing; traveler accommodation services; portfolio management; and truck transportation of freight also moved higher. Conversely, margins for fuels and lubricants retailing fell 9.7 percent. The indexes for transportation of passengers (partial) and for physician care also decreased. (See table 2.)

Final demand goods: Prices for final demand goods advanced 1.3 percent in January after declining 0.1 percent in December. Over 40 percent of the broad-based increase can be traced to a 0.8-percent rise in the index for final demand goods less foods and energy. Prices for final demand energy and for final demand foods also moved higher, 2.5 percent and 1.6 percent, respectively.

Product detail: Within the final demand goods category in January, the index for motor vehicles and equipment rose 0.7 percent. Prices for diesel fuel, gasoline, beef and veal, dairy products, and jet fuel also increased. In contrast, the index for iron and steel scrap decreased 10.7 percent. Prices for unprocessed finfish and for natural gas also moved lower.

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

Month	Total final demand	Final demand less foods, energy, and trade	Final demand goods				Final demand services				Change in final demand from 12 months ago (unadj.)	Change in final demand less foods, energy, and trade from 12 mo. ago (unadj.)
			Total	Foods	Energy	Less foods and energy	Total	Trade	Transportation and warehousing	Other		
2021												
Jan. ...	1.2	1.0	1.5	1.7	4.6	0.8	1.0	0.7	1.0	1.2	1.6	1.9
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. ¹ ..	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	0.6	1.1	-0.1	8.9	6.2
Nov. ¹ ..	0.9	0.8	0.9	1.2	0.9	0.8	0.9	1.1	2.6	0.6	9.8	7.0
Dec. ¹ ..	0.4	0.4	-0.1	-0.3	-1.7	0.4	0.7	1.5	1.6	0.2	9.8	7.0
2022												
Jan. ...	1.0	0.9	1.3	1.6	2.5	0.8	0.7	0.6	0.0	0.9	9.7	6.9

¹ Some of the percent changes shown here and elsewhere in this release may differ from those previously reported because seasonal adjustment factors have been recalculated to reflect developments during 2021. In addition, indexes for September 2021 through December 2021 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject to monthly revisions up to 4 months after original publication.

Intermediate Demand by Commodity Type

Within intermediate demand in January, prices for processed goods increased 1.7 percent, the index for unprocessed goods fell 2.0 percent, and prices for services advanced 0.4 percent. (See tables B and C.)

Processed goods for intermediate demand: The index for processed goods for intermediate demand rose 1.7 percent in January after declining 0.1 percent in December. Over half of the broad-based increase in January can be traced to prices for processed materials less foods and energy, which advanced 1.2 percent. The indexes for processed energy goods and for processed foods and feeds climbed 3.4 percent and 2.4 percent, respectively. For the 12 months ended in January, prices for processed goods for intermediate demand jumped 24.1 percent.

Product detail: In January, a 25.4-percent increase in the index for softwood lumber was a major contributor to the rise in prices for processed goods for intermediate demand. The indexes for diesel fuel, nonferrous metals, electric power, metal containers, and dairy products also moved higher. In contrast, prices for hot rolled steel sheet and strip decreased 6.4 percent. The indexes for natural gas to electric utilities and for pork also fell.

Unprocessed goods for intermediate demand: The index for unprocessed goods for intermediate demand declined 2.0 percent in January after falling 4.8 percent in December. Most of the January decrease is attributable to prices for unprocessed energy materials, which dropped 4.7 percent. The index for unprocessed foodstuffs and feedstuffs moved down 0.7 percent. In contrast, prices for unprocessed nonfood materials less energy edged up 0.1 percent. For the 12 months ended in January, the index for unprocessed goods for intermediate demand increased 29.7 percent.

Product detail: Leading the January decline in the index for unprocessed goods for intermediate demand, natural gas prices dropped 26.1 percent. The indexes for iron and steel scrap, raw milk, slaughter hogs, unprocessed finfish, and slaughter cattle also moved lower. Conversely, prices for nonferrous metal ores rose 6.5 percent. The indexes for crude petroleum and for hay, hayseeds, and oilseeds also increased.

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

Month	Processed goods for intermediate demand					Unprocessed goods for intermediate demand				
	Total	Foods and feeds	Energy goods	Less foods and energy	Total, change from 12 months ago (unadj.)	Total	Food-stuffs and feed-stuffs	Energy materials	Nonfood materials less energy	Total, change from 12 months ago (unadj.)
2021										
Jan.....	1.8	0.9	2.1	1.8	3.4	5.8	4.0	5.4	8.6	7.9
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	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	1.2	2.4	3.4	49.5
Dec. ¹	-0.1	0.0	-2.9	0.6	24.3	-4.8	3.7	-12.0	-1.8	40.0
2022										
Jan.....	1.7	2.4	3.4	1.2	24.1	-2.0	-0.7	-4.7	0.1	29.7

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Services for intermediate demand: The index for services for intermediate demand moved up 0.4 percent in January, the third consecutive increase. Most of the rise in January can be attributed to a 0.6-percent advance in prices for services less trade, transportation, and warehousing for intermediate demand. The index for transportation and warehousing services for intermediate demand moved up 0.3 percent, while margins for trade services for intermediate demand were unchanged. For the 12 months ended in January, the index for services for intermediate demand advanced 7.3 percent.

Product detail: Over a fifth of the January rise in the index for services for intermediate demand can be traced to a 2.7-percent advance in prices for architectural and engineering services. The indexes for hardware, building materials, and supplies retailing; gross rents for retail properties; portfolio management; legal services; and warehousing, storage, and related services also increased. In contrast, margins for chemicals and allied products wholesaling fell 4.1 percent. The indexes for arrangement of freight and cargo transportation and for radio advertising time sales also declined.

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

Month	Services for intermediate demand				Total, change from 12 months ago (unadj.)
	Total	Trade	Transportation and warehousing	Other	
2021					
Jan.....	1.2	1.3	0.7	1.3	3.0
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. ¹	0.3	-1.2	2.5	0.4	8.2
Oct. ¹	0.0	0.5	0.5	-0.3	7.4
Nov. ¹	0.6	-0.5	0.9	0.9	8.1
Dec. ¹	0.7	0.8	1.6	0.5	8.1
2022					
Jan.....	0.4	0.0	0.3	0.6	7.3

¹ Some of the percent changes shown here and elsewhere in this release may differ from those previously reported because seasonal adjustment factors have been recalculated to reflect developments during 2021. In addition, indexes for September 2021 through December 2021 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject to monthly revisions up to 4 months after original publication.

Intermediate Demand by Production Flow

Stage 4 intermediate demand: The index for stage 4 intermediate demand rose 1.1 percent in January after moving up 0.5 percent in December. In January, prices for total goods inputs to stage 4 intermediate demand advanced 1.7 percent, and the index for total services inputs climbed 0.6 percent. (See table D.) Increases in prices for metal containers, architectural and engineering services, softwood lumber, portfolio management, gross rents for retail properties, and diesel fuel outweighed decreases in the indexes for chemicals and allied products wholesaling, hot rolled steel sheet and strip, and unprocessed finfish. For the 12 months ended in January, prices for stage 4 intermediate demand rose 12.2 percent.

Stage 3 intermediate demand: The index for stage 3 intermediate demand moved up 0.8 percent in January after rising 0.7 percent in December. In January, prices for total goods inputs to stage 3 intermediate demand increased 1.0 percent, and the index for total services inputs advanced 0.4 percent. Rising prices for diesel fuel, jet fuel, nonferrous metals, softwood lumber, architectural and engineering services, and slaughter poultry outweighed declines in the indexes for hot rolled steel sheet and strip, raw milk, and arrangement of freight and cargo transportation. For the 12 months ended in January, prices for stage 3 intermediate demand jumped 19.0 percent.

Stage 2 intermediate demand: The index for stage 2 intermediate demand declined 0.5 percent in January after decreasing 2.2 percent in December. In January, prices for total goods inputs to stage 2 intermediate demand fell 1.3 percent. Conversely, the index for total services inputs advanced 0.1 percent. Decreases in the indexes for natural gas, iron and steel scrap, ethanol, fuels and lubricants retailing, arrangement of freight and cargo transportation, and radio advertising time sales outweighed increases in prices for legal services, crude petroleum, and nonferrous metals. For the 12 months ended in January, prices for stage 2 intermediate demand rose 17.9 percent.

Stage 1 intermediate demand: Prices for stage 1 intermediate demand moved up 1.0 percent in January following a 0.3-percent advance in December. In January, the index for total goods inputs to stage 1 intermediate demand rose 1.3 percent, and prices for total services inputs increased 0.5 percent. Advances in the indexes for diesel fuel; hardware, building materials, and supplies retailing; traveler accommodation services; architectural and engineering services; general purpose machinery and equipment; and paints and allied products outweighed decreases in the indexes for iron and steel scrap, hot rolled steel sheet and strip, and chemicals and allied products wholesaling. For the 12 months ended in January, prices for stage 1 intermediate demand jumped 16.7 percent.

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

Month	Stage 4 intermediate demand			Stage 3 intermediate demand			Stage 2 intermediate demand			Stage 1 intermediate demand		
	Total	Goods inputs	Ser-vices inputs	Total	Goods inputs	Ser-vices inputs	Total	Goods inputs	Ser-vices inputs	Total	Goods inputs	Ser-vices inputs
2021												
Jan.....	1.3	1.5	1.3	2.0	2.2	1.6	2.5	4.8	0.9	1.8	2.4	1.3
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. ¹	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	7.8	-0.1	1.1	2.5	-0.3
Nov. ¹	1.1	1.5	0.8	0.8	1.2	0.4	1.2	1.7	0.7	1.2	2.0	0.4
Dec. ¹	0.5	0.6	0.4	0.7	0.5	0.9	-2.2	-5.5	1.1	0.3	-0.1	0.7
2022												
Jan.....	1.1	1.7	0.6	0.8	1.0	0.4	-0.5	-1.3	0.1	1.0	1.3	0.5

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The Producer Price Index for February 2022 is scheduled to be released on Tuesday, March 15, 2022 at 8:30 a.m. (ET).

Recalculation of Seasonal Adjustment Factors

Effective with this release, seasonal adjustment factors have been recalculated to reflect price-movement patterns during 2021 for the Final Demand-Intermediate Demand (FD-ID) system and commodity-grouping indexes. This routine annual recalculation may affect previously published seasonally adjusted indexes and percent changes for January 2017 through December 2021.

Revised seasonally adjusted data for this period, as well as seasonal adjustment factors for directly adjusted commodity indexes to be used through December 2022, were released February 11, 2022. To obtain this information, contact the Producer Price Index Section of Index Analysis and Public Information at ppi-info@bls.gov or (202) 691-7705, or visit the Producer Price Index homepage at www.bls.gov/ppi.

Tables E and F below provide monthly seasonally adjusted percent changes for major FD-ID system indexes in 2021, based on former and recalculated seasonal factors. These percent changes include final price data through August 2021 and may differ from values shown in tables A through D of this release, which include final price data through September 2021 and revised interim data for October through December.

Table E. Over-the-month percent changes in major final demand indexes, seasonally adjusted, using former and recalculated seasonal factors for 2021

Month	Final demand		Final demand goods		Final demand services		Final demand less foods, energy, and trade services	
	Former	Recalculated	Former	Recalculated	Former	Recalculated	Former	Recalculated
January	1.2	1.2	1.6	1.5	1.0	1.0	1.0	1.0
February	.7	.7	1.6	1.4	.3	.3	.4	.4
March	.8	.7	1.5	1.3	.3	.4	.6	.6
April	1.0	1.0	.7	.8	1.2	1.1	.8	.8
May	.9	1.0	1.5	1.4	.6	.7	.5	.5
June	.9	.8	1.2	1.3	.6	.6	.6	.6
July	.9	.9	.7	.8	1.0	1.0	.8	.7
August	.9	.9	.9	1.0	.9	.8	.4	.4
September	.4	.5	1.1	1.2	.1	.2	.3	.3
October	.6	.7	1.3	1.3	.2	.2	.3	.4
November	1.0	.9	1.1	.9	.9	.8	.8	.8
December	.2	.3	-.4	-.1	.5	.6	.4	.3

Table F. Over-the-month percent changes in major intermediate demand indexes, seasonally adjusted, using former and recalculated seasonal factors for 2021

Month	Processed goods for intermediate demand		Unprocessed goods for intermediate demand		Services for intermediate demand	
	Former	Recalculated	Former	Recalculated	Former	Recalculated
January	1.8	1.8	5.3	5.8	1.1	1.2
February	2.9	2.7	11.9	11.8	.3	.3
March	3.5	3.4	-4.2	-4.0	.6	.6
April	1.9	2.1	2.0	.8	1.3	1.3
May	2.9	2.8	7.2	7.9	.6	.6
June	1.8	1.7	1.8	2.1	1.2	1.2
July	1.6	1.6	2.9	3.2	.6	.6
August	.9	1.0	1.9	1.4	.4	.4
September	1.1	1.2	2.7	2.8	.4	.4
October	2.4	2.4	5.8	6.1	.0	.0
November	1.6	1.4	2.1	2.0	.3	.3
December	-.3	.0	-5.6	-6.0	.8	.7

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 [January 2022]

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² Jan. 2021 to Jan. 2022 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Aug. to Sept.	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P
Final Demand									
Final demand.....	FD	4	100.000	9.7	0.5	0.7	0.9	0.4	1.0
Final demand goods.....	FD	41	33.284	13.1	1.2	1.3	0.9	-0.1	1.3
Final demand foods.....	FD	411	5.743	12.8	2.1	-0.1	1.2	-0.3	1.6
Finished consumer foods ³	FD	4111	4.430	12.7	2.5	0.3	1.3	-0.3	1.4
Finished consumer foods, crude.....	FD	41113	0.461	13.2	10.3	7.7	9.8	-3.9	-5.1
Finished consumer foods, processed.....	FD	41112	3.969	12.6	1.8	-0.4	0.3	0.1	2.2
Government purchased foods.....	FD	4112	0.406	15.5	2.2	-1.2	0.5	-0.2	2.1
Foods for export.....	FD	4113	0.907	12.2	0.2	-1.6	1.2	-0.2	2.1
Final demand energy.....	FD	412	5.998	28.8	2.5	5.0	0.9	-1.7	2.5
Finished consumer energy goods ³	FD	4121	4.795	26.6	2.6	4.5	0.9	-1.2	1.7
Government purchased energy.....	FD	4122	0.838	36.6	2.1	7.1	0.9	-3.4	5.1
Energy for export.....	FD	4123	0.365	43.0	2.8	8.1	1.1	-4.0	6.4
Final demand goods less foods and energy.....	FD	413	21.543	9.4	0.6	0.7	0.8	0.4	0.8
Finished goods less foods and energy ³	FD	4131	12.154	7.2	0.6	0.5	0.6	0.6	1.0
Finished consumer goods less foods and energy.....	FD	41311	6.483	7.1	0.6	0.5	0.6	0.6	0.9
Nondurable consumer goods less foods and energy.....	FD	413111	4.078	6.7	0.7	0.6	0.7	0.7	0.8
Durable consumer goods.....	FD	413112	2.405	7.8	0.6	0.3	0.6	0.4	1.0
Private capital equipment.....	FD	41312	5.671	7.4	0.6	0.6	0.6	0.5	1.1
Private capital equipment for manufacturing industries.....	FD	413121	1.263	10.1	1.0	0.6	0.7	0.6	1.5
Private capital equipment for nonmanufacturing industries.....	FD	413122	4.408	6.6	0.5	0.6	0.6	0.5	1.0
Government purchased goods, excluding foods and energy.....	FD	4132	2.280	9.6	0.6	0.7	0.9	0.5	0.9
Government purchased goods excluding foods, energy, and capital equipment.....	FD	41321	1.357	13.6	0.6	0.9	1.3	0.6	1.2
Government purchased capital equipment.....	FD	41322	0.923	4.1	0.7	0.3	0.3	0.4	0.6
Goods for export, excluding foods and energy.....	FD	4133	7.109	13.3	0.4	0.9	1.2	0.0	0.5
Final demand services.....	FD	42	64.964	7.7	0.1	0.2	0.9	0.7	0.7
Final demand trade services ⁴	FD	423	20.219	13.3	0.0	0.6	1.1	1.5	0.6
Trade of finished goods ³	FD	4231	17.344	13.5	0.2	0.5	1.2	1.7	0.6
Trade of personal consumption goods.....	FD	42311	14.139	12.3	0.1	-0.1	1.1	1.8	0.2
Trade of private capital equipment.....	FD	42312	3.205	18.9	0.6	2.9	1.5	1.2	2.0
Trade of government purchased goods.....	FD	4232	0.758	13.2	-1.4	1.6	1.1	0.3	1.2
Trade of government purchased goods, excluding capital equipment.....	FD	42321	0.476	10.5	-2.4	0.8	0.8	-0.2	0.1
Trade of government purchased capital equipment.....	FD	42322	0.282	18.0	0.4	3.1	1.7	1.1	2.9
Trade of exports.....	FD	4233	2.117	12.4	-1.2	1.4	0.8	0.6	0.4
Final demand transportation and warehousing services.....	FD	422	4.383	15.7	-1.0	1.1	2.6	1.6	0.0
Transportation of passengers for final demand.....	FD	4221	1.096	14.4	-7.7	-1.2	4.8	4.1	-4.2
Transportation of private passengers.....	FD	42211	0.740	14.3	-7.7	-1.2	4.8	4.1	-4.1
Transportation of government passengers.....	FD	42212	0.089	14.1	-7.6	-1.2	4.8	4.0	-4.1
Transportation of passengers for export.....	FD	42213	0.267	14.6	-7.8	-1.2	4.9	4.1	-4.2
Transportation and warehousing of goods for final demand.....	FD	4222	3.287	16.0	1.4	1.9	1.9	0.8	1.4
Transportation and warehousing of finished goods ³	FD	42221	2.162	16.4	1.4	1.9	2.0	0.8	1.3
Transportation and warehousing of personal consumption goods.....	FD	422211	1.735	16.2	1.5	1.9	2.0	0.8	1.3
Transportation and warehousing of private capital equipment.....	FD	422212	0.427	17.1	1.3	2.0	2.1	0.9	1.3
Transportation and warehousing of government purchased goods.....	FD	42222	0.198	15.3	1.7	1.8	1.6	1.0	1.4
Transportation and warehousing of exports.....	FD	42223	0.927	15.3	1.2	1.8	1.9	0.7	1.6
Final demand services less trade, transportation, and warehousing.....	FD	421	40.362	4.4	0.3	-0.1	0.6	0.2	0.9
Finished services less trade, transportation, and warehousing ³	FD	4211	35.383	4.4	0.3	0.0	0.6	0.2	0.9
Finished consumer services less trade, transportation, and warehousing.....	FD	42111	31.725	4.1	0.3	-0.1	0.7	0.2	0.8
Private capital investment services less trade, transportation, and warehousing.....	FD	42112	3.658	7.4	0.4	0.5	0.1	0.5	1.3
Government purchased services less trade, transportation, and warehousing.....	FD	4212	2.491	3.7	0.2	-0.2	0.6	0.3	0.7
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....	FD	42121	2.385	3.8	0.3	-0.2	0.6	0.3	0.8
Government purchased capital investment services less trade, transportation, and warehousing.....	FD	42122	0.106	1.8	-0.1	0.8	-0.2	0.3	-0.2
Services for export less trade, transportation, and warehousing.....	FD	4213	2.488	4.7	0.4	-0.5	1.1	0.0	0.9
Final demand construction.....	FD	43	1.749	16.1	0.2	5.9	0.4	0.3	3.6
Construction for private capital investment.....	FD	431	1.139	17.7	0.2	6.8	0.4	0.4	4.1
Construction for government.....	FD	432	0.610	13.2	0.4	4.3	0.3	0.1	2.8
Special Groupings of Final Demand									
Final demand less exports.....	FD	49101	85.820	9.2	0.5	0.7	0.8	0.5	1.0
Final demand less government.....	FD	49102	92.330	9.5	0.5	0.6	0.9	0.5	0.9

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² Jan. 2021 to Jan. 2022 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Aug. to Sept.	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy ⁵	FD	49103	87.753	8.4	0.2	0.4	0.9	0.6	0.8
Final demand less foods and energy ⁵	FD	49104	88.259	8.3	0.2	0.4	0.9	0.6	0.8
Final demand less foods and food and nonalcoholic beverages for immediate consumption ⁵	FD	49105	93.751	9.6	0.4	0.7	0.9	0.5	0.9
Final demand less foods ⁵	FD	49106	94.257	9.4	0.4	0.7	0.9	0.5	0.9
Final demand less energy.....	FD	49107	94.002	8.5	0.3	0.4	0.9	0.6	0.9
Final demand less trade services.....	FD	49108	79.781	8.7	0.6	0.7	0.8	0.2	1.0
Final demand less distributive services ⁶	FD	49109	76.494	8.4	0.6	0.6	0.8	0.1	1.0
Final demand goods less energy.....	FD	49111	27.286	10.1	0.9	0.5	0.9	0.2	1.0
Final demand goods less foods.....	FD	49112	27.541	13.2	1.0	1.6	0.8	-0.1	1.2
Final demand services less trade services.....	FD	49113	44.745	5.4	0.2	0.0	0.8	0.4	0.8
Final demand distributive services ⁶	FD	49114	23.506	13.8	0.1	0.8	1.2	1.4	0.7
Final demand goods plus final demand distributive services ⁶	FD	49115	56.790	13.4	0.8	1.1	1.0	0.5	1.0
Final demand less foods, energy, and trade services ⁵	FD	49116	68.040	6.9	0.3	0.4	0.8	0.4	0.9
Private and government purchased capital equipment.....	FD	49117	6.594	6.9	0.6	0.5	0.5	0.5	1.1
Private and government purchased capital investment services.....	FD	49118	7.678	12.8	0.5	1.6	0.8	0.8	1.7
Total private and government purchased capital investment.....	FD	49119	14.272	10.6	0.5	1.6	0.7	0.7	1.6
Total finished ³	FD	49201	78.147	9.0	0.5	0.6	0.9	0.5	0.9
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy ^{3, 5}	FD	49202	68.421	7.8	0.3	0.3	0.8	0.7	0.8
Total finished less foods and energy ^{3, 5}	FD	49203	68.922	7.7	0.3	0.3	0.8	0.7	0.8
Total finished less foods and food and nonalcoholic beverages for immediate consumption ⁵	FD	49204	73.216	8.9	0.4	0.6	0.8	0.6	0.9
Total finished less foods ^{3, 5}	FD	49205	73.717	8.8	0.4	0.6	0.8	0.6	0.9
Total finished less energy ³	FD	49206	73.352	8.1	0.4	0.3	0.9	0.7	0.9
Finished goods ³	FD	49207	21.379	12.2	1.5	1.4	0.8	0.0	1.3
Finished goods less energy ³	FD	49208	16.584	8.6	1.1	0.5	0.8	0.3	1.1
Finished goods, excluding foods ^{3, 5}	FD	49209	16.949	12.1	1.2	1.6	0.7	0.0	1.2
Finished services ³	FD	49210	55.629	7.7	0.2	0.2	0.9	0.8	0.7
Private capital investment services.....	FD	49211	7.290	12.8	0.5	1.6	0.8	0.8	1.6
Finished distributive services ^{3, 6}	FD	49212	19.506	13.8	0.3	0.6	1.3	1.6	0.6
Finished services less trade services ³	FD	49213	38.285	5.2	0.2	0.0	0.8	0.4	0.8
Finished services less distributive services ^{3, 6}	FD	49214	36.123	4.6	0.1	-0.1	0.7	0.3	0.8
Total private capital investment (goods, services, and construction).....	FD	49215	14.100	11.0	0.5	1.6	0.7	0.7	1.6
Finished goods plus finished distributive services ^{3, 6}	FD	49216	40.885	13.0	0.9	1.0	1.0	0.7	1.0
Total exports.....	FD	49301	14.180	12.2	0.1	0.8	1.2	0.1	0.8
Goods for export.....	FD	49302	8.381	14.3	0.5	0.9	1.2	-0.2	0.9
Services for export.....	FD	49303	5.799	9.5	-0.5	0.5	1.3	0.5	0.6
Total government purchases.....	FD	49401	7.670	11.2	0.4	1.4	0.8	0.0	1.5
Government purchased goods.....	FD	49402	3.524	15.9	1.2	1.9	0.8	-0.5	2.1
Government purchased services.....	FD	49403	3.536	6.5	-0.2	0.3	0.9	0.4	0.7
Total government purchased capital investment (goods, services, construction).....	FD	49404	1.921	8.6	0.5	2.0	0.5	0.4	1.6
Personal consumption.....	FD	49501	64.047	8.6	0.5	0.4	0.9	0.5	0.8
Personal consumption goods (finished consumer goods).....	FD	49502	15.708	14.1	1.8	1.7	0.9	-0.2	1.3
Personal consumption goods less energy.....	FD	49503	10.913	9.3	1.4	0.4	0.9	0.2	1.1
Personal consumption goods less foods.....	FD	49504	11.278	14.7	1.5	2.2	0.7	-0.2	1.2
Personal consumption nondurable goods less foods.....	FD	49508	8.873	16.6	1.7	2.7	0.8	-0.4	1.3
Personal consumption services.....	FD	49505	48.339	6.9	0.2	0.0	0.9	0.8	0.6
Personal consumption less trade services.....	FD	49506	49.908	7.6	0.7	0.5	0.8	0.1	0.9
Personal consumption less distributive services ⁶	FD	49507	48.173	7.3	0.6	0.4	0.8	0.1	0.9
Personal consumption less foods and energy.....	FD	49510	54.822	6.9	0.2	0.0	0.9	0.7	0.6
Personal consumption less foods, energy, and trade services ⁴	FD	49511	40.683	5.2	0.3	0.0	0.8	0.4	0.8
Personal consumption less foods, energy, and distributive services ⁶	FD	49512	38.948	4.7	0.2	0.0	0.7	0.4	0.7
Personal consumption goods plus personal consumption distributive services ⁶	FD	49509	31.582	13.4	1.0	0.9	1.0	0.7	0.8
Intermediate Demand by Commodity Type									
Processed goods									
Processed goods for intermediate demand.....	ID6	1	100.000	24.1	1.2	2.4	1.5	-0.1	1.7
Materials and components for manufacturing.....	ID6	11	46.096	25.8	1.1	1.7	1.2	0.2	0.8
Materials for manufacturing.....	ID6	111	30.586	34.6	1.3	1.9	1.4	-0.1	0.6
Materials for food manufacturing.....	ID6	1111	4.053	17.8	1.7	-0.4	0.2	0.0	2.4
Materials for nondurable manufacturing.....	ID6	1112	13.367	26.3	-0.2	1.5	1.4	-0.7	-0.3
Materials for durable manufacturing.....	ID6	1113	13.166	51.0	2.6	3.1	1.8	0.5	1.0
Components for manufacturing.....	ID6	112	15.510	11.7	0.9	1.1	0.8	0.8	1.2
Components for nondurable manufacturing.....	ID6	1121	8.006	21.4	1.4	2.4	1.6	1.3	1.5
Components for durable manufacturing.....	ID6	1122	14.704	11.2	0.9	1.1	0.8	0.8	1.2

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² Jan. 2021 to Jan. 2022 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Aug. to Sept.	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P
Materials and components for construction.....	ID6	12	9.003	23.6	0.4	1.4	1.8	1.8	2.9
Materials for construction.....	ID6	121	3.829	16.9	-0.8	1.0	1.5	2.2	4.5
Components for construction.....	ID6	122	5.174	29.2	1.4	1.7	2.0	1.5	1.6
Processed fuels and lubricants for intermediate demand.....	ID6	13	18.697	34.9	2.1	6.7	2.5	-2.9	3.4
Processed fuels and lubricants to manufacturing industries.....	ID6	131	4.640	28.3	1.7	4.5	0.0	-1.3	4.2
Processed fuels and lubricants to nonmanufacturing industries.....	ID6	132	14.057	37.3	2.2	7.4	3.4	-3.4	3.1
Containers for intermediate demand.....	ID6	14	2.781	20.5	1.4	2.6	1.0	0.9	4.1
Supplies for intermediate demand.....	ID6	15	23.422	14.4	0.8	0.9	1.1	0.6	1.4
Supplies to manufacturing industries.....	ID6	151	3.215	16.8	1.0	1.6	1.3	0.3	1.3
Supplies to nonmanufacturing industries.....	ID6	152	20.207	14.0	0.8	0.8	1.1	0.7	1.5
Supplies to nonmanufacturing industries, feeds.....	ID6	1521	1.713	12.7	0.3	0.0	-0.3	-0.4	2.8
Supplies to nonmanufacturing industries, other than feeds.....	ID6	1522	18.494	14.1	0.8	0.8	1.2	0.8	1.3
Unprocessed goods									
Unprocessed goods for intermediate demand.....	ID6	2	100.000	29.7	2.8	6.0	2.3	-4.8	-2.0
Unprocessed foodstuffs and feedstuffs.....	ID6	21	32.314	23.1	0.8	-2.2	1.2	3.7	-0.7
Unprocessed nonfood materials.....	ID6	22	67.685	34.0	3.9	10.2	2.7	-8.4	-2.6
Unprocessed nonfood materials except fuel.....	ID6	221	44.356	31.3	0.7	4.9	2.2	-6.6	6.6
Unprocessed nonfood materials except fuel to manufacturing industries.....	ID6	2211	42.325	32.7	0.7	5.2	2.3	-6.9	6.7
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	ID6	2212	2.031	7.3	0.4	0.2	0.6	0.1	3.2
Unprocessed fuel.....	ID6	222	23.329	41.7	11.4	21.4	3.5	-11.8	-20.4
Unprocessed fuel to manufacturing industries.....	ID6	2221	1.185	27.0	5.6	6.2	2.2	-5.6	2.8
Unprocessed fuel to nonmanufacturing industries.....	ID6	2222	22.144	42.8	11.8	22.2	3.6	-12.1	-21.6
Services									
Services for intermediate demand.....	ID6	3	100.000	7.3	0.3	0.0	0.6	0.7	0.4
Trade services for intermediate demand ⁴	ID6	33	22.363	11.6	-1.2	0.5	-0.5	0.8	0.0
Trade services for manufacturing industries.....	ID6	331	11.460	12.5	-1.0	0.6	-0.3	0.7	-0.4
Trade services for nonmanufacturing industries.....	ID6	332	10.903	10.7	-1.5	0.3	-0.6	0.9	0.4
Transportation and warehousing services for intermediate demand.....	ID6	32	13.287	15.5	2.5	0.5	0.9	1.6	0.3
Transportation of passengers for intermediate demand.....	ID6	321	0.978	14.2	-7.6	-1.2	4.8	4.0	-4.1
Transportation of passengers for manufacturing industries.....	ID6	3211	0.115	14.6	-7.8	-1.2	4.9	4.1	-4.2
Transportation of passengers for nonmanufacturing industries.....	ID6	3212	0.863	14.1	-7.5	-1.2	4.7	4.0	-4.1
Transportation and warehousing of goods for intermediate demand.....	ID6	322	12.309	15.6	3.4	0.7	0.6	1.4	0.6
Transportation and warehousing of goods for manufacturing industries.....	ID6	3221	2.502	13.7	1.0	1.6	1.5	0.9	1.2
Transportation and warehousing of goods for nonmanufacturing industries.....	ID6	3222	9.807	16.1	4.0	0.4	0.4	1.6	0.5
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	64.350	4.4	0.4	-0.3	0.9	0.5	0.6
Services less trade, transportation, and warehousing for manufacturing industries.....	ID6	311	2.044	5.1	0.3	1.0	0.4	0.5	0.4
Services less trade, transportation, and warehousing for nonmanufacturing industries.....	ID6	312	62.306	4.3	0.4	-0.4	0.9	0.5	0.6
Construction									
Construction for intermediate demand.....	ID6	4	100.000	11.3	1.4	0.4	0.5	0.3	1.2
Special Groupings of Intermediate Demand by Commodity Type									
Processed materials less foods and feeds.....	ID6	9111	92.172	24.9	1.1	2.7	1.6	-0.1	1.7
Processed foods and feeds.....	ID6	9112	7.828	15.6	1.5	-0.4	0.1	0.0	2.4
Processed energy goods.....	ID6	9113	18.697	34.9	2.1	6.7	2.5	-2.9	3.4
Processed materials less energy.....	ID6	9118	81.303	21.9	1.0	1.4	1.2	0.5	1.3
Processed materials less foods and energy.....	ID6	9115	73.475	22.6	0.9	1.6	1.4	0.6	1.2
Intermediate distributive services ⁷	ID6	9116	34.672	13.0	0.4	0.5	-0.1	1.0	0.2
Processed goods plus intermediate distributive services.....	ID6	9117	-	20.7	0.9	1.9	1.0	0.2	1.3
Unprocessed materials less agricultural products.....	ID6	9211	62.579	35.3	5.1	11.5	2.5	-9.1	-3.4
Unprocessed energy materials ⁸	ID6	9212	42.184	50.9	8.0	17.7	2.4	-12.0	-4.7
Unprocessed materials less energy.....	ID6	9213	57.816	19.1	-0.3	-1.7	2.2	1.3	-0.5
Unprocessed nonfood materials less energy ⁹	ID6	9216	25.502	13.4	-1.8	-1.5	3.4	-1.8	0.1
Intermediate Demand by Production Flow									
Stage 4 Intermediate Demand									
Stage 4 intermediate demand.....	ID5	4	100.000	12.2	0.4	0.6	1.1	0.5	1.1
Inputs to stage 4 goods producers.....	ID5	41	32.889	15.2	0.3	1.2	1.2	0.4	1.1
Goods.....	ID5	411	23.198	17.2	0.8	1.2	1.3	0.4	1.5
Foods.....	ID5	4111	3.174	16.7	-1.0	-0.5	2.3	-0.1	1.4
Energy.....	ID5	4112	0.190	28.6	2.5	4.5	3.6	4.2	0.4

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² Jan. 2021 to Jan. 2022 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Aug. to Sept.	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P
Goods excluding foods and energy.....	ID5	4113	19.834	17.2	1.0	1.5	1.1	0.5	1.5
Services.....	ID5	412	9.691	10.7	-0.7	1.1	0.8	0.3	0.0
Trade services.....	ID5	4123	7.740	11.8	-0.9	1.1	0.8	0.2	-0.3
Transportation and warehousing services.....	ID5	4122	0.474	11.9	-0.4	1.0	1.8	1.2	0.5
Transportation of passengers.....	ID5	41221	0.065	14.6	-7.8	-1.2	4.9	4.1	-4.2
Transportation and warehousing of goods.....	ID5	41222	0.409	11.6	0.8	1.3	1.4	0.8	1.3
Services less trade, transportation, and warehousing.....	ID5	4121	1.477	5.3	0.2	0.8	0.3	0.4	1.2
Inputs to stage 4 services producers.....	ID5	42	52.465	8.3	0.5	0.1	1.1	0.4	0.8
Goods.....	ID5	421	13.952	14.4	0.9	1.2	1.4	0.2	1.3
Foods.....	ID5	4211	2.324	15.9	1.8	-0.9	0.0	0.1	0.8
Energy.....	ID5	4212	3.769	18.8	1.1	3.3	2.9	-1.7	1.7
Goods excluding foods and energy.....	ID5	4213	7.859	11.9	0.5	0.8	1.2	1.1	1.2
Services.....	ID5	422	38.427	6.2	0.4	-0.4	1.0	0.5	0.7
Trade services.....	ID5	4223	4.502	10.8	-1.3	1.1	0.6	0.4	-0.2
Transportation and warehousing services.....	ID5	4222	3.234	14.2	1.9	0.8	0.7	1.8	0.9
Transportation of passengers.....	ID5	42221	0.413	14.4	-7.7	-1.2	4.9	4.1	-4.2
Transportation and warehousing of goods.....	ID5	42222	2.821	14.2	3.4	1.1	0.1	1.5	1.6
Services less trade, transportation, and warehousing.....	ID5	4221	30.691	4.8	0.5	-0.7	1.1	0.3	0.8
Construction.....	ID5	423	0.086	11.3	1.4	0.4	0.5	0.3	1.2
Inputs to stage 4 construction producers.....	ID5	43	14.643	20.5	0.4	1.4	1.1	1.2	2.4
Goods.....	ID5	431	10.507	24.4	0.7	1.8	1.9	1.4	2.8
Energy.....	ID5	4312	0.846	50.8	3.7	7.3	2.0	-1.4	2.5
Goods excluding foods and energy.....	ID5	4313	9.661	22.6	0.5	1.3	1.9	1.7	2.8
Services.....	ID5	432	4.136	11.3	-0.5	0.6	-1.0	0.6	1.5
Trade services.....	ID5	4323	2.037	15.9	-1.3	0.5	-2.7	1.0	1.2
Transportation and warehousing services.....	ID5	4322	0.611	16.0	0.9	1.8	2.1	0.9	1.2
Transportation of passengers.....	ID5	43221	0.013	14.5	-7.8	-1.2	4.9	4.1	-4.2
Transportation and warehousing of goods.....	ID5	43222	0.598	16.1	1.1	1.9	2.1	0.8	1.3
Services less trade, transportation, and warehousing.....	ID5	4321	1.488	4.0	0.1	0.3	0.2	0.1	1.9
Stage 3 Intermediate Demand									
Stage 3 intermediate demand.....	ID5	3	100.000	19.0	1.1	1.0	0.8	0.7	0.8
Inputs to stage 3 goods producers.....	ID5	31	49.671	27.4	0.9	0.9	0.9	1.3	0.1
Goods.....	ID5	311	40.111	30.8	1.2	0.9	1.3	1.4	0.0
Foods.....	ID5	3111	10.917	25.8	0.8	-2.5	0.5	5.4	-1.2
Energy.....	ID5	3112	1.560	45.2	2.8	7.3	6.6	0.6	-1.0
Goods excluding foods and energy.....	ID5	3113	27.634	32.7	1.2	2.2	1.3	-0.1	0.6
Services.....	ID5	312	9.560	14.3	0.0	0.7	-0.7	1.2	0.3
Trade services.....	ID5	3123	5.718	15.9	-0.3	0.2	-2.1	1.4	-0.1
Transportation and warehousing services.....	ID5	3122	2.547	15.3	0.7	1.6	1.8	1.0	1.1
Transportation of passengers.....	ID5	31221	0.118	14.6	-7.8	-1.2	4.9	4.1	-4.2
Transportation and warehousing of goods.....	ID5	31222	2.429	15.3	1.1	1.7	1.6	0.9	1.4
Services less trade, transportation, and warehousing.....	ID5	3121	1.295	6.0	0.2	1.2	0.4	0.5	0.8
Inputs to stage 3 services producers.....	ID5	32	48.940	11.7	1.3	1.2	0.7	0.1	1.4
Goods.....	ID5	321	10.345	32.2	1.5	5.8	0.7	-2.7	4.8
Foods.....	ID5	3211	0.089	8.5	0.9	0.4	0.9	0.8	2.6
Energy.....	ID5	3212	6.121	47.8	2.3	9.0	0.1	-4.6	7.3
Goods excluding foods and energy.....	ID5	3213	4.135	14.1	0.3	1.1	1.5	0.3	1.0
Services.....	ID5	322	37.680	6.9	1.3	0.0	0.8	0.8	0.4
Trade services.....	ID5	3223	2.608	12.8	-2.5	-0.2	0.6	-0.2	0.8
Transportation and warehousing services.....	ID5	3222	8.849	16.3	4.6	-0.3	0.1	1.7	-0.1
Transportation of passengers.....	ID5	32221	0.022	1.1	0.2	-0.1	0.1	0.0	-0.4
Transportation and warehousing of goods.....	ID5	32222	8.827	16.3	4.7	-0.3	0.1	1.7	-0.1
Services less trade, transportation, and warehousing.....	ID5	3221	26.223	3.6	0.5	0.1	1.0	0.6	0.6
Construction.....	ID5	323	0.915	11.3	1.4	0.4	0.5	0.3	1.2
Inputs to stage 3 construction producers.....	ID5	33	1.388	14.6	-0.8	0.9	-1.6	1.7	3.4
Goods.....	ID5	331	0.580	23.7	-0.2	1.8	1.7	2.0	4.2
Goods excluding foods and energy.....	ID5	3313	0.580	23.7	-0.2	1.8	1.7	2.0	4.2
Services.....	ID5	332	0.808	8.9	-1.3	0.4	-3.8	1.4	2.9
Trade services.....	ID5	3323	0.766	9.0	-1.4	0.4	-4.0	1.4	3.0
Transportation and warehousing services.....	ID5	3322	0.015	11.4	1.0	1.4	0.7	1.2	1.4
Transportation and warehousing of goods.....	ID5	33222	0.015	11.4	1.0	1.4	0.7	1.2	1.4
Services less trade, transportation, and warehousing.....	ID5	3321	0.027	6.1	0.4	1.9	0.8	0.7	-1.0
Stage 2 Intermediate Demand									
Stage 2 intermediate demand.....	ID5	2	100.000	17.9	2.2	3.7	1.2	-2.2	-0.5
Inputs to stage 2 goods producers.....	ID5	21	54.815	26.5	3.0	6.9	1.3	-4.7	-1.2

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² Jan. 2021 to Jan. 2022 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Aug. to Sept.	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P	Dec. to Jan. ^P
Goods.....	ID5	211	42.661	32.8	3.9	8.6	1.7	-6.2	-1.5
Foods.....	ID5	2111	3.184	9.8	-0.3	-2.3	-0.7	0.2	4.5
Energy.....	ID5	2112	19.750	51.5	8.3	17.6	1.8	-12.3	-4.1
Goods excluding foods and energy.....	ID5	2113	19.727	22.2	0.5	1.4	1.9	-0.3	0.0
Services.....	ID5	212	11.685	8.2	0.0	0.9	0.0	1.1	-0.2
Trade services.....	ID5	2123	5.350	8.9	-0.8	1.0	-0.7	1.3	-0.7
Transportation and warehousing services.....	ID5	2122	3.353	9.8	0.8	0.9	0.6	1.3	0.5
Transportation of passengers.....	ID5	21221	0.154	13.5	-7.3	-1.1	4.5	3.9	-3.9
Transportation and warehousing of goods.....	ID5	21222	3.199	9.6	1.2	1.0	0.4	1.2	0.7
Services less trade, transportation, and warehousing.....	ID5	2121	2.982	5.4	0.7	0.7	0.5	0.5	0.0
Construction.....	ID5	213	0.469	11.3	1.4	0.4	0.5	0.3	1.2
Inputs to stage 2 services producers.....	ID5	22	45.184	8.9	1.1	-0.1	1.0	1.0	0.3
Goods.....	ID5	221	5.823	20.5	1.0	1.8	1.9	0.5	0.9
Foods.....	ID5	2211	0.032	17.2	0.2	0.3	0.7	0.7	2.7
Energy.....	ID5	2212	0.396	63.2	3.0	11.7	8.9	-4.5	1.6
Goods excluding foods and energy.....	ID5	2213	5.395	18.2	0.9	1.1	1.4	0.9	0.9
Services.....	ID5	222	37.793	7.3	1.1	-0.4	0.9	1.1	0.1
Trade services.....	ID5	2223	2.550	11.0	-0.3	-2.1	3.5	3.6	-3.4
Transportation and warehousing services.....	ID5	2222	3.079	32.4	7.9	-1.5	0.3	3.7	-2.8
Transportation of passengers.....	ID5	22221	0.352	14.4	-7.7	-1.2	4.8	4.1	-4.2
Transportation and warehousing of goods.....	ID5	22222	2.727	35.1	10.1	-1.6	-0.3	3.6	-2.6
Services less trade, transportation, and warehousing.....	ID5	2221	32.164	5.0	0.6	-0.2	0.8	0.6	0.7
Construction.....	ID5	223	1.568	11.3	1.4	0.4	0.5	0.3	1.2
Stage 1 Intermediate Demand									
Stage 1 intermediate demand.....	ID5	1	100.000	16.7	0.2	1.1	1.2	0.3	1.0
Inputs to stage 1 goods producers.....	ID5	11	35.393	25.9	0.1	1.8	1.8	0.2	0.0
Goods.....	ID5	111	26.061	32.1	0.4	2.4	3.0	-0.2	0.0
Foods.....	ID5	1111	3.173	17.9	-3.4	-2.3	2.0	1.3	1.3
Energy.....	ID5	1112	3.734	40.8	2.0	8.4	7.7	-2.2	0.3
Goods excluding foods and energy.....	ID5	1113	19.154	33.2	0.8	2.1	2.2	-0.1	-0.2
Services.....	ID5	112	9.331	11.3	-0.8	0.2	-1.2	1.3	-0.1
Trade services.....	ID5	1123	6.049	13.8	-1.3	0.1	-2.3	1.7	-0.9
Transportation and warehousing services.....	ID5	1122	0.488	15.3	0.2	1.9	1.3	2.8	-0.1
Transportation of passengers.....	ID5	11221	0.084	14.7	-7.8	-1.2	4.9	4.1	-4.2
Transportation and warehousing of goods.....	ID5	11222	0.404	15.4	1.9	2.5	0.6	2.6	0.7
Services less trade, transportation, and warehousing.....	ID5	1121	2.794	5.7	0.3	0.1	0.6	0.2	1.6
Construction.....	ID5	113	0.001	11.3	1.4	0.4	0.5	0.3	1.2
Inputs to stage 1 services producers.....	ID5	12	51.748	11.0	0.3	0.6	1.2	0.3	1.2
Goods.....	ID5	121	17.248	20.2	1.1	2.9	1.1	-0.2	2.7
Foods.....	ID5	1211	0.051	11.5	1.9	0.9	1.9	0.3	2.2
Energy.....	ID5	1212	5.794	34.8	1.5	6.5	0.7	-2.2	4.5
Goods excluding foods and energy.....	ID5	1213	11.403	13.9	0.8	1.1	1.3	0.8	1.7
Services.....	ID5	122	34.495	6.8	-0.1	-0.5	1.3	0.5	0.5
Trade services.....	ID5	1223	3.803	12.8	-1.7	0.4	1.0	0.0	0.3
Transportation and warehousing services.....	ID5	1222	3.609	13.1	-0.4	0.6	2.0	1.7	-0.6
Transportation of passengers.....	ID5	12221	1.091	14.6	-7.8	-1.2	4.9	4.1	-4.2
Transportation and warehousing of goods.....	ID5	12222	2.518	12.4	3.1	1.3	0.9	0.6	1.0
Services less trade, transportation, and warehousing.....	ID5	1221	27.083	5.2	0.2	-0.8	1.3	0.4	0.6
Construction.....	ID5	123	0.005	11.3	1.4	0.4	0.5	0.3	1.2
Inputs to stage 1 construction producers.....	ID5	13	12.858	17.9	0.1	1.4	-0.3	0.9	2.7
Goods.....	ID5	131	8.466	22.3	0.7	2.0	1.0	0.8	2.8
Energy.....	ID5	1312	0.829	53.5	1.7	9.5	-2.6	-2.6	8.8
Goods excluding foods and energy.....	ID5	1313	7.637	19.6	0.6	1.3	1.4	1.2	2.2
Services.....	ID5	132	4.392	10.4	-1.0	0.3	-2.7	1.1	2.4
Trade services.....	ID5	1323	3.727	9.3	-1.3	0.0	-3.5	1.1	2.6
Transportation and warehousing services.....	ID5	1322	0.609	18.2	1.4	2.2	2.3	0.9	1.3
Transportation and warehousing of goods.....	ID5	13222	0.609	18.2	1.4	2.2	2.3	0.9	1.3
Services less trade, transportation, and warehousing.....	ID5	1321	0.056	3.3	0.1	0.6	0.6	0.1	0.1
Special Groupings of Intermediate Demand by Production Flow									
Total goods inputs to stage 4 intermediate demand.....	ID5	9411	47.657	17.9	0.8	1.3	1.5	0.6	1.7
Total services inputs to stage 4 intermediate demand.....	ID5	9412	52.254	7.4	0.1	0.0	0.8	0.4	0.6
Total construction inputs to stage 4 intermediate demand.....	ID5	9413	0.086	11.3	1.4	0.4	0.5	0.3	1.2
Total foods inputs to stage 4 intermediate demand.....	ID5	9414	5.498	16.4	0.2	-0.7	1.3	0.0	1.1
Total energy goods inputs to stage 4 intermediate demand.....	ID5	9415	4.805	23.9	1.6	4.1	2.8	-1.4	1.8
Total goods less foods and energy inputs to stage 4 intermediate demand.....	ID5	9416	37.354	17.4	0.8	1.3	1.3	0.9	1.8

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2021 ¹	Unadjusted 12-month percent change ² Jan. 2021 to Jan. 2022 ^p	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			Aug. to Sept.	Sept. to Oct. ^p	Oct. to Nov. ^p	Nov. to Dec. ^p	Dec. to Jan. ^p
Total goods inputs to stage 3 intermediate demand.....	ID5	9311	51.036	31.1	1.2	1.9	1.2	0.5	1.0
Total services inputs to stage 3 intermediate demand.....	ID5	9312	48.048	8.4	1.0	0.2	0.4	0.9	0.4
Total construction inputs to stage 3 intermediate demand.....	ID5	9313	0.915	11.3	1.4	0.4	0.5	0.3	1.2
Total foods inputs to stage 3 intermediate demand.....	ID5	9314	11.006	25.7	0.8	-2.5	0.5	5.4	-1.2
Total energy goods inputs to stage 3 intermediate demand.....	ID5	9315	7.681	47.3	2.4	8.7	1.4	-3.6	5.6
Total goods less foods and energy inputs to stage 3 intermediate demand.....	ID5	9316	32.349	29.8	1.1	2.0	1.4	-0.1	0.7
Total goods inputs to stage 2 intermediate demand.....	ID5	9211	48.484	31.3	3.6	7.8	1.7	-5.5	-1.3
Total services inputs to stage 2 intermediate demand.....	ID5	9212	49.478	7.4	0.9	-0.1	0.7	1.1	0.1
Total construction inputs to stage 2 intermediate demand.....	ID5	9213	2.037	11.3	1.4	0.4	0.5	0.3	1.2
Total foods inputs to stage 2 intermediate demand.....	ID5	9214	3.216	9.9	-0.3	-2.2	-0.7	0.2	4.5
Total energy goods inputs to stage 2 intermediate demand.....	ID5	9215	20.146	51.7	8.2	17.5	1.9	-12.1	-4.0
Total goods less foods and energy inputs to stage 2 intermediate demand.....	ID5	9216	25.122	21.4	0.6	1.4	1.8	0.0	0.2
Total goods inputs to stage 1 intermediate demand.....	ID5	9111	51.775	26.4	0.7	2.5	2.0	-0.1	1.3
Total services inputs to stage 1 intermediate demand.....	ID5	9112	48.218	8.0	-0.3	-0.3	0.4	0.7	0.5
Total construction inputs to stage 1 intermediate demand.....	ID5	9117	0.006	11.3	1.4	0.4	0.5	0.3	1.2
Total foods inputs to stage 1 intermediate demand.....	ID5	9114	3.224	17.8	-3.3	-2.3	2.0	1.3	1.3
Total energy goods inputs to stage 1 intermediate demand.....	ID5	9115	10.357	38.3	1.7	7.4	2.8	-2.3	3.4
Total goods less foods and energy inputs to stage 1 intermediate demand.....	ID5	9116	38.194	24.0	0.8	1.6	1.8	0.4	0.8

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
[January 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Jan. 2021 to Jan. 2022 ^P	Aug. to Sept.	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Final Demand								
Final demand.....	FD	4	9.7	0.5	0.7	0.9	0.4	1.0
Final demand goods.....	FD	41	13.1	1.2	1.3	0.9	-0.1	1.3
Final demand foods.....	FD	411	12.8	2.1	-0.1	1.2	-0.3	1.6
Fresh fruits and melons ²	01	11	9.1	-0.3	0.1	20.1	-5.5	3.9
Fresh and dry vegetables ²	01	13	8.0	19.8	17.2	11.5	-14.6	-3.4
Grains.....	01	2	22.0	-8.0	-4.5	4.5	3.2	0.4
Eggs for fresh use ²	01	7107	40.9	21.2	-12.1	-5.5	46.9	-17.6
Oilseeds.....	01	8301	-0.5	-2.1	-5.9	-1.6	0.4	8.7
Bakery products ²	02	11	7.1	1.1	0.2	1.1	0.7	2.1
Milled rice ²	02	13	7.6	1.3	0.9	0.7	0.2	0.4
Pasta products ²	02	1402	16.2	0.5	0.5	1.9	5.3	3.0
Beef and veal.....	02	2101	43.9	8.3	-10.3	1.5	-4.6	6.5
Pork.....	02	2104	3.3	-0.5	-4.1	-1.3	-2.0	-3.3
Processed young chickens.....	02	2203	27.5	5.7	-1.4	-0.6	0.6	-0.3
Processed turkeys.....	02	2206	48.5	1.2	0.7	2.2	2.2	4.1
Finfish and shellfish.....	02	23	9.5	-1.7	7.5	0.9	1.2	-13.7
Dairy products.....	02	3	12.3	-0.2	1.1	0.9	2.3	4.5
Processed fruits and vegetables ²	02	4	5.2	1.0	0.9	-0.1	0.6	1.0
Confectionery end products ²	02	55	7.6	0.8	0.6	1.1	0.1	2.2
Soft drinks ²	02	62	9.9	3.1	1.2	0.3	0.4	3.3
Roasted coffee ²	02	6301	3.9	0.4	0.2	0.4	0.2	1.2
Shortening and cooking oils ²	02	78	36.4	-0.7	4.2	0.9	-4.2	4.7
Frozen specialty food ²	02	85	5.4	-0.4	0.4	0.3	0.4	1.9
Final demand energy.....	FD	412	28.8	2.5	5.0	0.9	-1.7	2.5
Liquefied petroleum gas ²	05	32	50.9	15.0	14.6	-10.0	-19.4	14.1
Residential electric power.....	05	41	6.5	0.2	0.7	0.6	0.7	0.5
Residential natural gas.....	05	51	25.1	1.6	3.9	2.5	0.2	0.5
Gasoline.....	05	71	53.3	4.5	6.8	2.9	-2.0	1.9
Home heating oil and distillates.....	05	7302	47.4	3.8	12.3	-3.0	-3.5	7.3
No. 2 diesel fuel.....	05	7303	56.5	1.3	11.6	-3.2	-3.1	9.4
Final demand goods less foods and energy.....	FD	413	9.4	0.6	0.7	0.8	0.4	0.8
Alcoholic beverages.....	02	61	1.5	-0.1	0.8	0.0	0.1	-0.1
Pet food ²	02	9402	9.7	0.2	0.1	0.2	0.4	2.2
Women's, girls', and infants' apparel ²	03	8106	2.1	0.0	0.5	0.5	0.0	0.2
Men's and boys' apparel ²	03	8107	3.6	0.4	0.0	0.3	0.2	1.8
Textile housefurnishings ²	03	82	5.1	-0.1	1.1	0.4	0.0	1.4
Footwear.....	04	3	6.8	0.0	1.0	2.2	0.7	0.1
Industrial chemicals.....	06	1	30.8	-0.8	1.7	2.2	-1.5	-1.6
Pharmaceutical preparations.....	06	38	1.5	0.3	0.2	0.2	0.1	-0.1
Soaps and detergents ²	06	71	6.2	0.4	0.4	0.4	0.1	0.7
Cleaning and polishing products ²	06	72	5.6	0.5	0.1	1.6	0.3	1.0
Cosmetics and other toiletries ²	06	75	3.3	0.2	0.2	0.0	0.4	1.5
Tires ²	07	1201	12.0	0.3	0.4	0.9	0.4	4.6
Consumer, institutional, and commercial products, n.e.c. ²	07	2B	26.2	2.7	1.2	4.3	3.7	0.2
Sanitary paper products ²	09	1501	5.2	1.4	0.0	1.1	0.1	0.7
Iron and steel scrap ²	10	12	0.6	-4.5	-0.4	8.8	-1.8	-10.7
Agricultural machinery and equipment.....	11	1	15.0	1.6	1.8	1.6	1.8	0.5
Construction machinery and equipment ²	11	2	11.4	0.4	3.0	0.4	0.9	3.0
Metal cutting machine tools ²	11	37	4.9	0.1	0.7	0.0	1.1	0.8
Metal forming machine tools.....	11	38	3.7	0.6	0.2	0.4	0.4	-0.4
Tools, dies, jigs, fixtures, and industrial molds ²	11	39	7.4	0.2	1.1	0.5	0.7	1.1
Pumps, compressors, and equipment.....	11	41	9.1	1.0	0.4	0.4	0.6	1.8
Industrial material handling equipment ²	11	44	14.1	1.6	1.2	1.7	1.2	1.2
Electronic computers and computer equipment ²	11	5	5.3	-0.3	0.5	0.4	0.6	2.2
Textile machinery and equipment ²	11	62	6.5	0.0	0.0	0.0	0.2	5.5
Paper industries machinery ²	11	64	6.5	0.8	1.1	0.7	0.8	0.6
Printing trades machinery and equipment ²	11	65	6.5	-0.1	0.1	0.8	2.7	0.2
Transformers and power regulators ²	11	74	35.5	3.1	3.0	5.5	2.5	0.6
Communication and related equipment.....	11	76	5.4	1.7	0.5	0.5	0.3	0.4
Electronic components and accessories.....	11	78	2.9	0.2	0.0	0.5	0.3	0.7
X-ray and electromedical equipment ²	11	7905	0.3	0.0	0.0	0.0	0.0	0.3
Oil field and gas field machinery ²	11	91	6.0	0.0	0.6	0.4	0.0	2.9
Mining machinery and equipment ²	11	92	12.4	0.2	0.2	4.1	0.0	0.2
Office and store machines and equipment ²	11	93	2.5	0.0	0.0	0.0	1.5	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
 [January 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Jan. 2021 to Jan. 2022 ^P	Aug. to Sept.	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Household furniture ²	12	1	13.6	1.8	0.5	1.0	0.7	0.8
Commercial furniture ²	12	2	13.5	1.7	0.4	0.7	0.6	1.5
Floor coverings ²	12	3	7.3	0.7	1.5	0.9	0.0	0.5
Household appliances ²	12	4	8.2	1.3	0.7	0.3	0.9	1.4
Home electronic equipment ²	12	5	10.7	0.0	1.0	1.1	0.1	1.7
Lawn and garden equipment excl. garden tractors ²	12	66	5.4	0.2	0.4	1.0	0.0	0.9
Passenger cars.....	14	1101	1.8	-0.2	-0.7	0.4	-0.3	0.1
Light motor trucks.....	14	1105	3.1	0.3	-0.8	0.1	0.0	0.6
Heavy motor trucks ²	14	1106	1.5	0.0	0.1	0.2	0.0	0.6
Motor vehicles parts ²	14	12	5.2	0.2	0.4	0.7	0.2	0.6
Truck trailers ²	14	14	29.6	0.9	6.9	1.7	3.9	3.1
Travel trailers and campers ²	14	16	24.8	2.7	3.5	3.0	0.7	2.3
Aircraft.....	14	21	1.7	0.2	0.2	0.2	0.2	0.4
Ships ²	14	31	5.7	1.1	0.3	0.1	1.2	1.4
Railroad equipment ²	14	4	2.8	0.1	0.3	0.8	0.3	0.6
Toys, games, and children's vehicles ²	15	11	6.3	0.0	0.1	0.7	0.0	2.8
Sporting and athletic goods.....	15	12	16.8	0.6	0.5	1.3	1.1	3.3
Cigarettes ²	15	21	10.2	1.6	1.2	0.2	1.8	0.9
Mobile homes ²	15	5	32.0	0.0	1.6	0.1	4.1	3.1
Medical, surgical & personal aid devices.....	15	6	2.7	-0.5	0.2	0.0	0.1	1.2
Jewelry, platinum and karat gold ²	15	9402	0.0	0.4	0.0	1.4	-0.8	0.8
Costume jewelry and novelties ²	15	9404	1.8	0.0	0.0	0.8	0.0	0.0
Final demand services.....	FD	42	7.7	0.1	0.2	0.9	0.7	0.7
Final demand trade services ³	FD	423	13.3	0.0	0.6	1.1	1.5	0.6
Machinery and equipment parts and supplies wholesaling ²	57	1102	10.5	-1.5	1.3	3.0	-0.6	-0.5
Machinery and vehicle wholesaling ²	57	1103	22.9	0.1	4.1	2.0	2.2	4.3
Professional and commercial equipment wholesaling ²	57	1104	3.4	1.9	0.9	1.3	-2.7	-1.1
Furnishings wholesaling ²	57	2	29.8	1.2	3.5	-3.5	9.7	1.6
Chemicals and allied products wholesaling ²	57	5	4.5	-3.2	0.5	-2.5	3.0	-4.1
Paper and plastics products wholesaling ²	57	6	22.6	3.1	2.1	3.5	-2.4	2.4
Apparel wholesaling ²	57	7	-5.2	2.7	-2.0	1.6	-2.4	0.4
Food and alcohol wholesaling ²	57	8	5.0	1.7	3.0	-2.1	1.5	0.1
Food and alcohol retailing.....	58	1	6.7	1.1	0.5	1.5	1.3	-0.4
Health, beauty, and optical goods retailing ²	58	2	5.1	-0.1	0.0	0.8	2.9	0.9
Apparel, jewelry, footwear, and accessories retailing.....	58	3	22.1	1.5	-3.2	4.7	1.1	4.2
Computer hardware, software, and supplies retailing ²	58	4	-2.3	0.9	2.5	-0.9	0.4	-2.4
TV, video, and photographic equipment and supplies retailing ²	58	5	22.7	-6.2	-8.5	-8.8	-0.6	5.9
Automobiles retailing (partial).....	58	6101	126.1	7.2	5.4	2.3	7.5	-2.0
Automotive parts, including tires, retailing ²	58	6102	8.9	2.2	1.7	0.1	1.1	-0.4
RVs, trailers, and campers retailing ²	58	8	56.0	-7.5	16.0	-3.6	5.2	0.6
Sporting goods, including boats, retailing.....	58	9	5.8	-1.2	-0.1	3.1	-0.5	-1.9
Lawn, garden, and farm equipment and supplies retailing ²	58	A	15.7	1.4	3.4	3.4	1.0	-0.3
Furniture retailing ²	58	B	17.4	0.8	0.0	1.7	4.0	1.4
Flooring and floor coverings retailing ²	58	C	33.6	-1.9	7.2	-1.8	2.9	17.1
Hardware, building materials, and supplies retailing.....	58	D	5.7	-2.1	0.1	-6.5	2.1	4.7
Major household appliances retailing.....	58	E	1.7	-0.6	-4.4	0.4	1.7	1.9
Fuels and lubricants retailing.....	58	F	12.2	4.4	-6.5	7.1	12.3	-9.7
Cleaning supplies and paper products retailing ²	58	G	34.9	4.6	-5.2	5.8	-1.5	3.8
Book retailing ²	58	H	-5.2	1.1	0.1	0.2	-6.9	0.6
Final demand transportation and warehousing services.....	FD	422	15.7	-1.0	1.1	2.6	1.6	0.0
Rail transportation of freight and mail ²	30	11	9.0	0.5	0.8	0.7	0.4	1.6
Truck transportation of freight ²	30	12	18.3	1.3	2.1	2.4	0.8	1.3
Air transportation of freight ²	30	14	10.8	1.7	3.0	2.5	3.2	-0.1
Courier, messenger, and U.S. postal services.....	30	16	8.9	2.7	1.1	0.6	0.1	1.3
Rail transportation of passengers.....	30	21	0.8	0.4	-0.1	-0.1	-0.2	-0.3
Airline passenger services.....	30	22	14.6	-7.8	-1.2	4.9	4.1	-4.2
Final demand services less trade, transportation, and warehousing.....	FD	421	4.4	0.3	-0.1	0.6	0.2	0.9
Sales of books ²	33	11	-0.2	0.6	-0.3	0.5	1.2	-3.3
Sales and subscriptions of periodicals and newspapers.....	33	12	4.0	0.6	0.2	0.5	0.5	0.3
Application software publishing ²	34	2	2.3	-0.7	1.4	-0.3	-0.1	1.1
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	1.2	-0.2	0.4	0.1	0.1	1.4
Residential wired telecommunication services.....	37	11	2.2	0.0	0.3	0.4	-0.1	0.1
Wireless telecommunication services.....	37	2	0.1	0.0	0.0	0.1	-0.1	-0.2
Cable and satellite subscriber services.....	37	3	3.9	0.8	0.4	0.3	0.2	1.7
Internet access services ²	37	4	-1.4	0.0	-0.1	0.0	0.1	0.0

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Jan. 2021 to Jan. 2022 ^P	Aug. to Sept.	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Bundled wired telecommunications access services ²	37	5	4.0	-0.9	1.1	-1.5	0.8	0.2
Consumer loans (partial).....	39	12	3.6	-0.2	-1.1	1.8	1.2	-0.2
Deposit services (partial) ²	39	2	-2.2	-0.4	0.7	0.1	-4.1	1.2
Other credit intermediation, incl. trust services (partial) ²	39	3	-2.8	-0.1	-0.2	-1.7	-0.1	0.4
Securities brokerage, dealing, investment advice, and related services ² ...	40	1	6.7	-0.2	-6.7	8.2	-1.3	-0.5
Portfolio management ²	40	2	8.2	1.2	-1.3	2.5	-0.2	1.9
Life insurance ²	41	1101	1.2	-0.1	0.0	-0.2	0.0	0.7
Disability insurance, including accidental death ²	41	1102	-0.1	0.0	0.0	0.0	0.0	-0.1
Health and medical insurance.....	41	1103	1.4	0.2	0.1	0.2	0.3	-0.5
Property and casualty insurance ²	41	1104	0.7	-0.1	-0.1	0.1	0.3	0.2
Annuities ²	41	2	-1.7	0.0	0.1	0.1	0.0	-0.3
Residential property sales and leases, brokerage fees and commissions..	43	21	10.3	0.9	0.1	0.3	0.4	0.7
Passenger car rental.....	44	1	30.2	-4.1	4.1	0.5	0.5	-4.6
Legal services.....	45	1	5.8	0.5	0.7	0.4	0.4	1.3
Tax preparation and planning.....	45	2102	-6.7	0.5	-0.2	0.1	-1.3	-1.4
Architectural and engineering services.....	45	3	4.4	0.1	0.2	0.1	0.0	2.7
Management, scientific, and technical consulting services.....	45	4	3.5	0.2	0.8	-0.3	0.4	1.3
Arrangement of flights (partial).....	47	1	-1.5	1.2	-1.0	0.2	-0.2	0.8
Arrangement of vehicle rentals and lodging ²	47	2	13.3	-1.4	-5.0	0.7	1.0	1.8
Arrangement of cruises and tours ²	47	3	6.6	3.7	-3.5	-3.6	-6.7	1.7
Physician care.....	51	1101	1.9	0.4	0.2	0.3	0.2	-0.3
Medical laboratory and diagnostic imaging care ²	51	1102	-0.2	0.1	0.0	0.0	0.0	-0.1
Home health and hospice care.....	51	1103	2.2	0.4	0.3	0.2	0.2	0.3
Hospital outpatient care ²	51	1104	3.6	0.0	0.3	0.0	0.0	1.6
Dental care.....	51	1105	3.2	0.2	0.0	0.1	0.1	1.8
Hospital inpatient care.....	51	2101	3.5	0.9	-0.2	0.2	0.3	0.9
Nursing home care.....	51	2102	1.3	0.1	-0.1	0.5	0.1	0.0
Traveler accommodation services.....	53	11	25.8	0.5	-0.4	4.2	3.9	5.4
Food and beverages for immediate consumption services (partial) ²	54	1	8.3	0.1	-0.1	0.5	0.8	0.2
Motor vehicle repair and maintenance (partial).....	55	2	2.9	0.3	0.2	0.3	0.5	-0.1
Membership dues and admissions and recreation facility use fees (partial) ²	56	1	4.4	-0.4	1.4	0.9	1.1	0.1
Recreational activity instruction fees (partial) ²	56	2	-1.6	0.0	0.0	0.0	0.0	0.0
Gaming receipts (partial) ²	56	3	4.1	0.4	1.3	2.3	-3.8	2.1
Mining services ²	60	1	10.6	0.4	0.9	0.1	1.1	3.0
Final demand construction.....	FD	43	16.1	0.2	5.9	0.4	0.3	3.6
New warehouse building construction ²	80	1101	27.8	0.0	13.0	-0.3	0.1	6.3
New school building construction ²	80	1102	12.3	0.1	5.3	0.1	0.0	2.9
New office building construction ²	80	1103	17.0	0.1	5.6	0.3	0.7	4.1
New industrial building construction ²	80	1104	18.2	0.2	7.7	0.5	0.4	4.3
New health care building construction ²	80	1105	14.6	0.3	4.9	0.9	0.1	2.9
Intermediate Demand by Commodity Type								
Processed goods for intermediate demand.....	ID6	1	24.1	1.2	2.4	1.5	-0.1	1.7
Processed foods and feeds.....	ID6	9112	15.6	1.5	-0.4	0.1	0.0	2.4
Meats.....	02	21	24.2	4.6	-5.9	0.1	-2.8	2.2
Processed poultry.....	02	22	26.6	4.0	-0.2	-1.6	2.2	2.4
Dairy products.....	02	3	12.3	-0.2	1.1	0.9	2.3	4.5
Processed fruits and vegetables ²	02	4	5.2	1.0	0.9	-0.1	0.6	1.0
Refined sugar and byproducts ²	02	53	3.4	0.3	0.3	0.3	1.3	-0.5
Fats and oils ²	02	7	41.9	0.3	2.5	1.8	-2.4	3.8
Prepared animal feeds ²	02	9	11.9	-0.4	-0.5	0.2	0.4	3.4
Processed materials less foods and feeds.....	ID6	9111	24.9	1.1	2.7	1.6	-0.1	1.7
Synthetic fibers ²	03	1	17.7	1.1	1.7	-1.1	-1.7	0.1
Processed yarns and threads ²	03	2	29.3	1.7	3.7	3.7	0.2	2.1
Finished fabrics ²	03	4	14.6	1.4	1.5	0.9	0.6	1.3
Liquefied petroleum gas ²	05	32	50.9	15.0	14.6	-10.0	-19.4	14.1
Commercial electric power.....	05	42	7.1	0.9	0.1	2.0	-1.1	0.8
Industrial electric power.....	05	43	11.4	0.1	2.1	1.2	-0.8	2.6
Commercial natural gas.....	05	52	30.9	2.8	6.5	0.6	-1.3	0.3
Industrial natural gas.....	05	53	46.2	1.1	10.4	2.2	-2.6	-2.9
Natural gas to electric utilities.....	05	54	90.3	3.3	19.0	27.5	-7.9	-4.3
Gasoline.....	05	71	53.3	4.5	6.8	2.9	-2.0	1.9
Jet fuel ²	05	7203	59.4	3.4	12.4	3.8	-11.1	11.8
No. 2 diesel fuel.....	05	7303	56.5	1.3	11.6	-3.2	-3.1	9.4
Residual fuels ²	05	74	35.1	-1.5	9.4	4.3	-0.9	-6.2

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Jan. 2021 to Jan. 2022 ^P	Aug. to Sept.	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Finished lubricants ²	05	76	14.6	0.2	3.4	0.0	0.2	0.7
Lubricating oil base stocks ²	05	78	77.8	6.8	0.6	-5.3	-3.9	12.5
Asphalt.....	05	8102	46.7	3.8	5.3	11.0	2.0	-8.5
Basic inorganic chemicals ²	06	13	15.7	0.6	0.5	1.1	0.8	3.6
Basic organic chemicals.....	06	14	33.5	-1.0	1.9	2.3	-1.8	-2.3
Prepared paint ²	06	21	22.9	1.7	1.1	0.8	1.0	6.6
Paint materials ²	06	22	10.9	-2.7	0.9	4.2	-1.3	1.8
Medicinal and botanical chemicals ²	06	31	2.6	0.0	0.0	-0.1	0.2	2.2
Biological products, including diagnostics.....	06	37	5.5	0.4	0.1	0.2	2.8	0.0
Fats and oils, inedible ²	06	4	37.4	-6.1	-0.5	0.2	-6.7	0.1
Nitrogenates.....	06	5201	113.0	3.0	12.6	11.4	11.4	5.0
Phosphates.....	06	5202	-	3.9	3.3	5.3	4.8	-
Other agricultural chemicals ²	06	53	12.0	1.9	0.5	0.1	0.1	4.6
Plastic resins and materials.....	06	6	27.6	0.2	-0.5	0.0	-1.3	-3.1
Industrial gases ²	06	7903	16.7	-0.3	-2.0	12.2	2.1	0.2
Adhesives and sealants ²	06	7904	14.2	2.1	0.6	0.6	2.3	2.4
Synthetic rubber ²	07	1102	19.0	2.5	0.3	-1.5	-3.2	0.6
Tires ²	07	1201	12.0	0.3	0.4	0.9	0.4	4.6
Plastic construction products ²	07	21	35.0	1.2	2.9	1.3	1.2	1.8
Unsupported plastic film, sheet, other shapes ²	07	22	25.1	2.1	2.7	1.9	1.0	0.4
Parts for manufacturing from plastics ²	07	26	17.0	1.8	1.1	0.7	1.9	1.2
Plastic packaging products ²	07	2A	26.6	1.0	2.1	2.3	0.4	1.2
Softwood lumber.....	08	11	20.1	-2.9	7.0	6.9	21.3	25.4
Hardwood lumber ²	08	12	30.8	0.3	1.8	-0.1	0.6	0.2
Millwork.....	08	2	21.4	0.4	-0.1	0.9	2.2	4.9
Plywood ²	08	3	14.1	-20.2	4.4	4.0	2.6	8.4
Paper ²	09	13	17.7	1.1	0.9	1.2	0.2	1.2
Paperboard ²	09	14	19.9	1.2	3.9	0.3	0.9	0.1
Paper boxes and containers ²	09	1503	16.2	1.4	3.3	1.1	0.3	2.0
Building paper and board ²	09	2	14.1	-5.8	2.8	2.3	2.3	5.0
Commercial printing ²	09	47	9.4	0.5	0.6	3.5	0.6	0.6
Foundry and forge shop products ²	10	15	13.4	0.2	1.3	0.8	1.2	1.9
Steel mill products ²	10	17	112.7	4.9	4.1	3.0	0.2	-1.6
Primary nonferrous metals ²	10	22	31.5	2.7	5.4	-4.0	1.6	4.4
Secondary nonferrous metals ²	10	24	11.0	-1.2	0.2	0.7	0.5	2.5
Aluminum mill shapes ²	10	2501	32.7	3.2	4.3	1.9	-5.9	5.6
Copper and brass mill shapes ²	10	2502	24.8	-0.7	0.1	1.5	-3.3	4.1
Nonferrous wire and cable ²	10	26	25.8	0.3	2.8	1.5	-1.7	0.1
Nonferrous foundry shop products.....	10	28	12.9	0.8	0.5	1.2	0.8	1.3
Metal containers ²	10	3	35.4	0.3	2.7	1.4	2.8	13.0
Hardware ²	10	4	16.9	1.0	5.0	1.2	0.3	0.6
Plumbing fixtures and brass fittings.....	10	5	7.3	-0.1	0.6	0.5	1.6	1.8
Heating equipment ²	10	6	22.1	0.3	0.9	1.1	3.1	1.8
Fabricated structural metal products.....	10	7	42.5	2.8	2.5	3.2	2.2	0.8
Bolts, nuts, screws, rivets, and washers ²	10	81	16.5	0.5	1.3	0.1	0.8	0.7
Lighting fixtures ²	10	83	9.1	0.9	0.5	0.4	0.8	1.1
Fabricated ferrous wire products ²	10	88	29.7	4.7	1.4	1.5	1.3	1.5
Other miscellaneous metal products ²	10	89	13.2	0.8	1.6	0.8	1.5	0.9
Fluid power equipment.....	11	43	10.9	0.3	1.4	0.5	0.9	2.6
Mechanical power transmission equipment ²	11	45	11.5	0.6	0.5	0.5	0.6	3.1
Air conditioning and refrigeration equipment ²	11	48	18.7	1.9	1.9	1.9	1.4	3.7
Metal valves, except fluid power.....	11	4902	6.9	0.6	0.7	0.5	0.4	1.6
Ball and roller bearings ²	11	4905	7.1	0.7	0.0	0.6	-0.5	0.6
Wiring devices ²	11	71	29.1	2.1	1.6	1.6	2.0	2.9
Motors, generators, motor generator sets ²	11	73	14.9	2.6	1.9	3.0	0.3	3.3
Switchgear, switchboard, and industrial controls equip. ²	11	75	12.5	2.5	0.1	0.3	1.8	2.9
Electronic components and accessories.....	11	78	2.9	0.2	0.0	0.5	0.3	0.7
Internal combustion engines ²	11	94	4.7	0.1	0.9	0.0	0.0	2.8
Machine shop products ²	11	95	4.7	0.3	0.9	0.0	0.8	0.2
Flat glass ²	13	11	9.0	0.4	1.4	0.6	1.0	1.9
Cement.....	13	22	8.9	0.3	0.3	0.1	0.4	4.5
Concrete products.....	13	3	9.8	0.5	0.5	0.9	0.5	1.5
Asphalt felts and coatings ²	13	6	18.4	0.6	-0.1	2.8	1.2	1.1
Paving mixtures and blocks.....	13	94	8.9	0.4	0.8	0.7	1.3	2.4
Motor vehicle parts ²	14	12	5.2	0.2	0.4	0.7	0.2	0.6
Aircraft engines and engine parts.....	14	23	1.1	0.0	0.0	0.0	0.4	-0.3

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Jan. 2021 to Jan. 2022 ^P	Aug. to Sept.	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	2.1	0.1	0.7	0.0	0.2	0.5
Medical, surgical, and personal aid devices.....	15	6	2.7	-0.5	0.2	0.0	0.1	1.2
Unprocessed goods for intermediate demand.....	ID6	2	29.7	2.8	6.0	2.3	-4.8	-2.0
Unprocessed foodstuffs and feedstuffs.....	ID6	21	23.1	0.8	-2.2	1.2	3.7	-0.7
Wheat ²	01	21	38.9	-0.7	2.9	6.6	3.1	-3.2
Corn.....	01	2202	17.7	-10.5	-7.1	3.8	3.2	1.6
Slaughter cattle.....	01	31	22.8	1.2	-0.8	1.6	2.9	-1.4
Slaughter hogs.....	01	32	8.9	1.3	-10.3	-3.5	-0.1	-7.0
Slaughter chickens.....	01	4102	76.6	8.9	-4.8	-3.2	11.8	1.6
Slaughter turkeys.....	01	42	19.3	5.8	-3.6	-4.9	4.1	3.4
Raw milk.....	01	6	12.6	1.4	2.9	2.5	7.4	-4.3
Alfalfa hay ²	01	81	44.9	6.5	-4.2	1.4	-0.4	8.4
Oilseeds.....	01	8301	-0.5	-2.1	-5.9	-1.6	0.4	8.7
Raw cane sugar and byproducts ²	02	5201	6.1	-0.1	5.0	0.7	1.5	-3.1
Unprocessed nonfood materials.....	ID6	22	34.0	3.9	10.2	2.7	-8.4	-2.6
Raw cotton ²	01	51	48.6	2.6	13.8	12.9	-9.3	8.0
Hides and skins.....	04	1	-8.3	-3.9	-11.7	-11.7	-7.1	-4.9
Coal.....	05	1	17.4	1.8	-1.8	0.6	-0.2	15.2
Natural gas ²	05	31	47.4	13.1	25.4	3.8	-13.2	-26.1
Crude petroleum ²	05	61	62.9	4.5	13.8	1.0	-12.6	15.5
Logs, bolts, timber, pulpwood, and woodchips ²	08	5	5.4	-0.7	-0.2	-0.5	0.5	2.3
Recyclable paper ²	09	12	60.5	4.8	6.3	-4.2	-8.0	-6.6
Iron ores.....	10	11	21.7	2.4	0.7	1.6	-0.4	0.3
Iron and steel scrap ²	10	12	0.6	-4.5	-0.4	8.8	-1.8	-10.7
Nonferrous metal ores ²	10	21	16.7	6.4	-6.4	3.6	-3.4	6.5
Copper base scrap ²	10	2301	23.4	-0.2	2.9	0.2	-0.6	2.2
Aluminum base scrap.....	10	2302	39.0	-0.4	0.4	1.0	-1.2	0.1
Construction sand, gravel, and crushed stone.....	13	21	7.6	0.4	0.2	0.6	0.1	3.3
Services for intermediate demand.....	ID6	3	7.3	0.3	0.0	0.6	0.7	0.4
Trade services for intermediate demand ³	ID6	33	11.6	-1.2	0.5	-0.5	0.8	0.0
Machinery and equipment parts and supplies wholesaling ²	57	1102	10.5	-1.5	1.3	3.0	-0.6	-0.5
Building materials, paint, and hardware wholesaling.....	57	3	25.7	0.4	6.7	-3.0	-0.3	1.7
Metals, minerals, and ores wholesaling ²	57	4	21.2	-0.6	-4.5	-6.3	4.0	-0.9
Chemicals and allied products wholesaling ²	57	5	4.5	-3.2	0.5	-2.5	3.0	-4.1
Paper and plastics products wholesaling ²	57	6	22.6	3.1	2.1	3.5	-2.4	2.4
Food wholesaling ²	57	8101	4.4	1.8	3.9	-3.0	1.6	0.0
Automotive parts, including tires, retailing ²	58	6102	8.9	2.2	1.7	0.1	1.1	-0.4
Hardware, building material, and supplies retailing.....	58	D	5.7	-2.1	0.1	-6.5	2.1	4.7
Transportation and warehousing services for intermediate demand.....	ID6	32	15.5	2.5	0.5	0.9	1.6	0.3
Rail transportation of freight and mail ²	30	11	9.0	0.5	0.8	0.7	0.4	1.6
Truck transportation of freight ²	30	12	18.3	1.3	2.1	2.4	0.8	1.3
Water transportation of freight ²	30	13	20.9	2.4	2.7	-0.2	2.7	1.3
Air transportation of freight ²	30	14	10.8	1.7	3.0	2.5	3.2	-0.1
Pipeline transportation of petroleum products.....	30	1501	1.6	-0.1	0.3	0.4	0.3	-0.1
U.S. Postal Service.....	30	1601	7.6	5.6	1.1	0.0	0.2	-0.6
Courier and messenger services, except air mail.....	30	1602	8.7	0.6	0.8	1.0	0.3	2.3
Air mail and package delivery services, excluding by USPS.....	30	1603	12.8	0.5	1.5	1.6	-0.6	3.5
Transportation of passengers (partial).....	30	2	14.3	-7.7	-1.2	4.8	4.1	-4.1
Services related to water transportation.....	31	1	4.7	-0.1	0.4	0.2	0.7	0.4
Arrangement of freight and cargo ²	31	31	83.6	21.5	-2.4	-1.5	6.2	-5.2
Warehousing, storage, and related services ²	32	1	17.4	1.3	2.0	-1.2	3.4	6.0
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	4.4	0.4	-0.3	0.9	0.5	0.6
Network compensation from broadcast TV, cable TV, radio ²	35	-	6.2	-0.4	0.0	0.0	0.0	2.8
Advertising space sales in periodicals and newspapers ²	36	11	1.5	-0.3	0.5	0.2	0.1	1.7
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	-5.2	2.0	-2.3	5.1	3.1	1.5
Radio advertising time sales.....	36	3	7.2	2.2	-4.2	9.5	-0.1	-9.6
Internet advertising space sales, excluding Internet ads sold by print publishers ²	36	5	5.9	-0.2	-0.2	0.9	1.0	0.9
Business wired telecommunication services ²	37	12	0.7	0.1	0.0	0.1	0.1	0.1
Wireless telecommunication services.....	37	2	0.1	0.0	0.0	0.1	-0.1	-0.2
Cable and satellite subscriber services.....	37	3	3.9	0.8	0.4	0.3	0.2	1.7
Bundled wired telecommunication access services ²	37	5	4.0	-0.9	1.1	-1.5	0.8	0.2
Data processing and related services ²	38	1	-0.4	-0.2	0.2	0.0	0.0	-1.3
Business loans (partial).....	39	11	11.7	4.4	1.0	0.3	2.0	-0.6

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Jan. 2021 to Jan. 2022 ^P	Aug. to Sept.	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Deposit services (partial) ²	39	2	-2.2	-0.4	0.7	0.1	-4.1	1.2
Other credit intermediation, incl. trust services (partial) ²	39	3	-2.8	-0.1	-0.2	-1.7	-0.1	0.4
Securities brokerage, dealing, investment advice, and related services ²	40	1	6.7	-0.2	-6.7	8.2	-1.3	-0.5
Portfolio management ²	40	2	8.2	1.2	-1.3	2.5	-0.2	1.9
Investment banking ²	40	3	17.5	2.5	0.0	0.0	0.6	0.3
Life insurance ²	41	1101	1.2	-0.1	0.0	-0.2	0.0	0.7
Health and medical insurance.....	41	1103	1.4	0.2	0.1	0.2	0.3	-0.5
Property and casualty insurance ²	41	1104	0.7	-0.1	-0.1	0.1	0.3	0.2
Annuities ²	41	2	-1.7	0.0	0.1	0.1	0.0	-0.3
Commissions from sales of insurance ²	42	1	0.6	0.2	0.1	0.0	0.0	0.0
Nonresidential real estate rents ²	43	11	3.4	0.4	-1.3	0.2	0.9	1.1
Nonresidential property sales and leases ²	43	12	8.6	0.5	1.2	0.1	0.8	1.5
Residential property management fees ²	43	22	5.7	0.2	-0.1	0.2	1.2	0.0
Passenger car rental.....	44	1	30.2	-4.1	4.1	0.5	0.5	-4.6
Truck, utility trailer, and RV rental and leasing ²	44	2	-0.9	0.2	0.5	0.3	0.0	-5.0
Construction, mining, and forestry machinery and equipment rental and leasing ²	44	3	1.9	0.2	0.2	0.7	-0.1	-0.2
Legal services.....	45	1	5.8	0.5	0.7	0.4	0.4	1.3
Accounting services (partial).....	45	2	0.6	0.4	-0.6	0.1	0.2	0.1
Architectural and engineering services.....	45	3	4.4	0.1	0.2	0.1	0.0	2.7
Management, scientific, and technical consulting services.....	45	4	3.5	0.2	0.8	-0.3	0.4	1.3
Advertising and related services (partial) ²	45	5	6.3	0.0	-2.8	5.1	2.0	2.1
Permanent placement services ²	46	1	7.4	0.7	-2.0	0.3	2.4	0.1
Executive search services ²	46	2	-4.4	-2.5	-0.6	1.8	-0.1	-5.2
Staffing services.....	46	3	5.6	0.2	0.2	1.0	0.8	0.6
Security guard services ²	48	1	6.1	1.0	0.6	0.0	0.5	1.1
Janitorial services ²	49	1	7.4	0.4	0.2	0.3	2.6	1.9
Waste collection.....	50	1	4.0	0.2	0.6	0.4	0.5	0.2
Traveler accommodation services.....	53	11	25.8	0.5	-0.4	4.2	3.9	5.4
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	5.3	0.0	1.1	0.4	0.2	1.0
Aircraft repair and maintenance.....	55	4	4.4	0.7	0.2	0.2	0.2	-0.9
Metal treatment services ²	59	1	8.1	0.5	2.7	0.8	1.1	-1.3
Construction for intermediate demand.....	ID6	4	11.3	1.4	0.4	0.5	0.3	1.2
Maintenance and repair of non-residential buildings (partial) ²	80	2	11.4	1.4	0.4	0.5	0.3	1.2
Intermediate Demand by Production Flow								
Stage 4 intermediate demand.....	ID5	4	12.2	0.4	0.6	1.1	0.5	1.1
Stage 4 intermediate demand goods.....	ID5	9411	17.9	0.8	1.3	1.5	0.6	1.7
Grains.....	01	2	22.0	-8.0	-4.5	4.5	3.2	0.4
Meats.....	02	21	24.2	4.6	-5.9	0.1	-2.8	2.2
Unprocessed and packaged fish.....	02	23	9.5	-1.7	7.5	0.9	1.2	-13.7
Dairy products.....	02	3	12.3	-0.2	1.1	0.9	2.3	4.5
Commercial electric power.....	05	42	7.1	0.9	0.1	2.0	-1.1	0.8
Industrial electric power.....	05	43	11.4	0.1	2.1	1.2	-0.8	2.6
Gasoline.....	05	71	53.3	4.5	6.8	2.9	-2.0	1.9
No. 2 diesel fuel.....	05	7303	56.5	1.3	11.6	-3.2	-3.1	9.4
Basic organic chemicals.....	06	14	33.5	-1.0	1.9	2.3	-1.8	-2.3
Prepared paint ²	06	21	22.9	1.7	1.1	0.8	1.0	6.6
Medicinal and botanical chemicals ²	06	31	2.6	0.0	0.0	-0.1	0.2	2.2
Biological products, including diagnostics.....	06	37	5.5	0.4	0.1	0.2	2.8	0.0
Pharmaceutical preparations.....	06	38	1.5	0.3	0.2	0.2	0.1	-0.1
Plastic construction products ²	07	21	35.0	1.2	2.9	1.3	1.2	1.8
Unsupported plastic film, sheet, and other shapes ²	07	22	25.1	2.1	2.7	1.9	1.0	0.4
Parts for manufacturing from plastics ²	07	26	17.0	1.8	1.1	0.7	1.9	1.2
Plastic packaging products ²	07	2A	26.6	1.0	2.1	2.3	0.4	1.2
Lumber.....	08	1	22.7	-1.7	5.0	4.4	14.1	17.6
Millwork.....	08	2	21.4	0.4	-0.1	0.9	2.2	4.9
Paper boxes and containers ²	09	1503	16.2	1.4	3.3	1.1	0.3	2.0
Commercial printing ²	09	47	9.4	0.5	0.6	3.5	0.6	0.6
Steel mill products ²	10	17	112.7	4.9	4.1	3.0	0.2	-1.6
Nonferrous wire and cable ²	10	26	25.8	0.3	2.8	1.5	-1.7	0.1
Fabricated structural metal products.....	10	7	42.5	2.8	2.5	3.2	2.2	0.8
Other miscellaneous metal products ²	10	89	13.2	0.8	1.6	0.8	1.5	0.9
Air conditioning and refrigeration equipment ²	11	48	18.7	1.9	1.9	1.9	1.4	3.7
Wiring devices ²	11	71	29.1	2.1	1.6	1.6	2.0	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
[January 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Jan. 2021 to Jan. 2022 ^P	Aug. to Sept.	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Electronic components and accessories.....	11	78	2.9	0.2	0.0	0.5	0.3	0.7
Miscellaneous electrical machinery and equipment ²	11	79	5.9	0.4	0.7	0.2	0.1	1.6
Internal combustion engines ²	11	94	4.7	0.1	0.9	0.0	0.0	2.8
Machine shop products ²	11	95	4.7	0.3	0.9	0.0	0.8	0.2
Concrete ingredients and related products.....	13	2	7.9	0.4	0.2	0.5	0.2	3.6
Concrete products.....	13	3	9.8	0.5	0.5	0.9	0.5	1.5
Prepared asphalt, tar roofing and siding products ²	13	61	19.5	0.7	-0.1	3.2	1.3	0.8
Paving mixtures and blocks.....	13	94	8.9	0.4	0.8	0.7	1.3	2.4
Motor vehicle parts ²	14	12	5.2	0.2	0.4	0.7	0.2	0.6
Aircraft engines and engine parts.....	14	23	1.1	0.0	0.0	0.0	0.4	-0.3
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	2.1	0.1	0.7	0.0	0.2	0.5
Medical, surgical and personal aid devices.....	15	6	2.7	-0.5	0.2	0.0	0.1	1.2
Stage 4 intermediate demand services.....	ID5	9412	7.4	0.1	0.0	0.8	0.4	0.6
Truck transportation of freight ²	30	12	18.3	1.3	2.1	2.4	0.8	1.3
Courier, messenger, and U.S. postal services.....	30	16	8.9	2.7	1.1	0.6	0.1	1.3
Airline passenger services.....	30	22	14.6	-7.8	-1.2	4.9	4.1	-4.2
Warehousing, storage, and related services ²	32	1	17.4	1.3	2.0	-1.2	3.4	6.0
Advertising space sales in periodicals and newspapers ²	36	11	1.5	-0.3	0.5	0.2	0.1	1.7
Data processing and related services ²	38	1	-0.4	-0.2	0.2	0.0	0.0	-1.3
Business loans (partial).....	39	11	11.7	4.4	1.0	0.3	2.0	-0.6
Deposit services (partial) ²	39	2	-2.2	-0.4	0.7	0.1	-4.1	1.2
Securities brokerage, dealing, investment advice, and related services ²	40	1	6.7	-0.2	-6.7	8.2	-1.3	-0.5
Portfolio management ²	40	2	8.2	1.2	-1.3	2.5	-0.2	1.9
Investment banking ²	40	3	17.5	2.5	0.0	0.0	0.6	0.3
Insurance.....	41	11	1.0	0.0	0.0	0.1	0.2	0.1
Annuities ²	41	2	-1.7	0.0	0.1	0.1	0.0	-0.3
Nonresidential real estate rents ²	43	11	3.4	0.4	-1.3	0.2	0.9	1.1
Nonresidential property sales and leases ²	43	12	8.6	0.5	1.2	0.1	0.8	1.5
Nonresidential property management fees ²	43	13	-0.5	0.7	0.4	0.2	0.2	-0.1
Residential property management fees ²	43	22	5.7	0.2	-0.1	0.2	1.2	0.0
Construction, mining, and forestry machinery and equipment rental and leasing ²	44	3	1.9	0.2	0.2	0.7	-0.1	-0.2
Legal services.....	45	1	5.8	0.5	0.7	0.4	0.4	1.3
Advertising agency services ²	45	51	6.3	0.0	-2.8	5.1	2.0	2.1
Accounting services (partial).....	45	2	0.6	0.4	-0.6	0.1	0.2	0.1
Architectural and engineering services.....	45	3	4.4	0.1	0.2	0.1	0.0	2.7
Management, scientific, and technical consulting services.....	45	4	3.5	0.2	0.8	-0.3	0.4	1.3
Staffing services.....	46	3	5.6	0.2	0.2	1.0	0.8	0.6
Janitorial services ²	49	1	7.4	0.4	0.2	0.3	2.6	1.9
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	5.3	0.0	1.1	0.4	0.2	1.0
Machinery and equipment parts and supplies wholesaling ²	57	1102	10.5	-1.5	1.3	3.0	-0.6	-0.5
Building materials, paint, and hardware wholesaling.....	57	3	25.7	0.4	6.7	-3.0	-0.3	1.7
Metals, minerals, and ores wholesaling ²	57	4	21.2	-0.6	-4.5	-6.3	4.0	-0.9
Chemicals and allied products wholesaling ²	57	5	4.5	-3.2	0.5	-2.5	3.0	-4.1
Paper and plastics products wholesaling ²	57	6	22.6	3.1	2.1	3.5	-2.4	2.4
Food and alcohol wholesaling ²	57	8	5.0	1.7	3.0	-2.1	1.5	0.1
Hardware and building materials and supplies retailing.....	58	D	5.7	-2.1	0.1	-6.5	2.1	4.7
Metal treatment services ²	59	1	8.1	0.5	2.7	0.8	1.1	-1.3
Stage 3 intermediate demand.....	ID5	3	19.0	1.1	1.0	0.8	0.7	0.8
Stage 3 intermediate demand goods.....	ID5	9311	31.1	1.2	1.9	1.2	0.5	1.0
Slaughter cattle.....	01	31	22.8	1.2	-0.8	1.6	2.9	-1.4
Slaughter hogs.....	01	32	8.9	1.3	-10.3	-3.5	-0.1	-7.0
Slaughter poultry.....	01	4	63.3	8.2	-4.5	-3.4	10.3	1.9
Raw milk.....	01	6	12.6	1.4	2.9	2.5	7.4	-4.3
Commercial electric power.....	05	42	7.1	0.9	0.1	2.0	-1.1	0.8
Industrial electric power.....	05	43	11.4	0.1	2.1	1.2	-0.8	2.6
Gasoline.....	05	71	53.3	4.5	6.8	2.9	-2.0	1.9
Jet fuel ²	05	7203	59.4	3.4	12.4	3.8	-11.1	11.8
No. 2 diesel fuel.....	05	7303	56.5	1.3	11.6	-3.2	-3.1	9.4
Finished lubricants ²	05	76	14.6	0.2	3.4	0.0	0.2	0.7
Lubricating oil base stocks ²	05	78	77.8	6.8	0.6	-5.3	-3.9	12.5
Asphalt.....	05	8102	46.7	3.8	5.3	11.0	2.0	-8.5
Basic inorganic chemicals ²	06	13	15.7	0.6	0.5	1.1	0.8	3.6
Basic organic chemicals.....	06	14	33.5	-1.0	1.9	2.3	-1.8	-2.3
Paints and allied products ²	06	2	20.0	0.6	1.1	1.6	0.5	5.5

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Jan. 2021 to Jan. 2022 ^P	Aug. to Sept.	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Agricultural chemicals and chemical products.....	06	5	51.3	4.0	3.5	3.7	4.5	3.1
Plastic resins and materials.....	06	6	27.6	0.2	-0.5	0.0	-1.3	-3.1
Synthetic rubber ²	07	1102	19.0	2.5	0.3	-1.5	-3.2	0.6
Unsupported plastic film, sheet, and other shapes ²	07	22	25.1	2.1	2.7	1.9	1.0	0.4
Paper ²	09	13	17.7	1.1	0.9	1.2	0.2	1.2
Paperboard ²	09	14	19.9	1.2	3.9	0.3	0.9	0.1
Converted paper and paperboard products ²	09	15	12.6	1.4	1.8	1.0	0.4	1.2
Commercial printing ²	09	47	9.4	0.5	0.6	3.5	0.6	0.6
Foundry and forge shop products ²	10	15	13.4	0.2	1.3	0.8	1.2	1.9
Steel mill products ²	10	17	112.7	4.9	4.1	3.0	0.2	-1.6
Nonferrous mill shapes ²	10	25	27.7	1.6	2.7	1.6	-4.2	5.0
Nonferrous foundry shop products.....	10	28	12.9	0.8	0.5	1.2	0.8	1.3
Metal containers ²	10	3	35.4	0.3	2.7	1.4	2.8	13.0
Structural, architectural, and pre-engineered metal products.....	10	74	51.1	3.9	3.3	2.7	2.5	-0.2
Bolts, nuts, screws, rivets, and washers ²	10	81	16.5	0.5	1.3	0.1	0.8	0.7
Other miscellaneous metal products ²	10	89	13.2	0.8	1.6	0.8	1.5	0.9
General purpose machinery and equipment.....	11	4	12.0	1.1	1.0	1.0	1.0	2.0
Electrical machinery and equipment.....	11	7	7.2	1.1	0.5	0.7	0.5	1.2
Construction sand, gravel, and crushed stone.....	13	21	7.6	0.4	0.2	0.6	0.1	3.3
Cement.....	13	22	8.9	0.3	0.3	0.1	0.4	4.5
Motor vehicle parts ²	14	12	5.2	0.2	0.4	0.7	0.2	0.6
Aircraft and aircraft equipment.....	14	2	1.7	0.1	0.3	0.1	0.3	0.3
Stage 3 intermediate demand services.....	ID5	9312	8.4	1.0	0.2	0.4	0.9	0.4
Rail transportation of freight and mail ²	30	11	9.0	0.5	0.8	0.7	0.4	1.6
Courier, messenger, and U.S. postal services.....	30	16	8.9	2.7	1.1	0.6	0.1	1.3
Arrangement of freight and cargo ²	31	31	83.6	21.5	-2.4	-1.5	6.2	-5.2
Freight forwarding ²	31	3201	13.0	1.7	-0.3	1.2	1.4	0.5
Warehousing, storage, and related services ²	32	1	17.4	1.3	2.0	-1.2	3.4	6.0
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	1.2	-0.2	0.4	0.1	0.1	1.4
Wired telephone services ²	37	1	1.0	0.0	0.2	0.1	0.0	0.2
Bundled wired telecommunications access services ²	37	5	4.0	-0.9	1.1	-1.5	0.8	0.2
Data processing and related services ²	38	1	-0.4	-0.2	0.2	0.0	0.0	-1.3
Business loans (partial).....	39	11	11.7	4.4	1.0	0.3	2.0	-0.6
Deposit services (partial) ²	39	2	-2.2	-0.4	0.7	0.1	-4.1	1.2
Securities brokerage, dealing, investment advice, and related services ²	40	1	6.7	-0.2	-6.7	8.2	-1.3	-0.5
Insurance.....	41	11	1.0	0.0	0.0	0.1	0.2	0.1
Nonresidential real estate rents ²	43	11	3.4	0.4	-1.3	0.2	0.9	1.1
Legal services.....	45	1	5.8	0.5	0.7	0.4	0.4	1.3
Accounting services (partial).....	45	2	0.6	0.4	-0.6	0.1	0.2	0.1
Architectural and engineering services.....	45	3	4.4	0.1	0.2	0.1	0.0	2.7
Management, scientific, and technical consulting services.....	45	4	3.5	0.2	0.8	-0.3	0.4	1.3
Advertising agency services ²	45	51	6.3	0.0	-2.8	5.1	2.0	2.1
Staffing services.....	46	3	5.6	0.2	0.2	1.0	0.8	0.6
Aircraft repair maintenance.....	55	4	4.4	0.7	0.2	0.2	0.2	-0.9
Machinery and equipment parts and supplies wholesaling ²	57	1102	10.5	-1.5	1.3	3.0	-0.6	-0.5
Building materials, paint, and hardware wholesaling.....	57	3	25.7	0.4	6.7	-3.0	-0.3	1.7
Metals, minerals, and ores wholesaling ²	57	4	21.2	-0.6	-4.5	-6.3	4.0	-0.9
Chemicals and allied products wholesaling ²	57	5	4.5	-3.2	0.5	-2.5	3.0	-4.1
Paper and plastics products wholesaling ²	57	6	22.6	3.1	2.1	3.5	-2.4	2.4
Food wholesaling ²	57	8101	4.4	1.8	3.9	-3.0	1.6	0.0
Metal treatment services ²	59	1	8.1	0.5	2.7	0.8	1.1	-1.3
Stage 2 intermediate demand.....	ID5	2	17.9	2.2	3.7	1.2	-2.2	-0.5
Stage 2 intermediate demand goods.....	ID5	9211	31.3	3.6	7.8	1.7	-5.5	-1.3
Corn.....	01	2202	17.7	-10.5	-7.1	3.8	3.2	1.6
Oilseeds.....	01	83	-0.5	-2.1	-5.9	-1.6	0.4	8.7
Prepared animal feeds ²	02	9	11.9	-0.4	-0.5	0.2	0.4	3.4
Coal.....	05	1	17.4	1.8	-1.8	0.6	-0.2	15.2
Natural gas ²	05	31	47.4	13.1	25.4	3.8	-13.2	-26.1
Liquefied petroleum gas ²	05	32	50.9	15.0	14.6	-10.0	-19.4	14.1
Crude petroleum ²	05	61	62.9	4.5	13.8	1.0	-12.6	15.5
No. 2 diesel fuel.....	05	7303	56.5	1.3	11.6	-3.2	-3.1	9.4
Industrial chemicals.....	06	1	30.8	-0.8	1.7	2.2	-1.5	-1.6
Plastic resins and materials.....	06	6	27.6	0.2	-0.5	0.0	-1.3	-3.1
Plastic products ²	07	2	25.0	1.6	2.2	1.9	1.5	1.2
Logs, bolts, timber, pulpwood, and wood chips ²	08	5	5.4	-0.7	-0.2	-0.5	0.5	2.3

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Jan. 2021 to Jan. 2022 ^P	Aug. to Sept.	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Paper ²	09	13	17.7	1.1	0.9	1.2	0.2	1.2
Paperboard, excluding corrugated paperboard ²	09	1411	20.5	1.3	4.0	0.1	0.8	0.3
Commercial printing ²	09	47	9.4	0.5	0.6	3.5	0.6	0.6
Iron and steel scrap ²	10	12	0.6	-4.5	-0.4	8.8	-1.8	-10.7
Steel mill products ²	10	17	112.7	4.9	4.1	3.0	0.2	-1.6
Nonferrous mill shapes ²	10	25	27.7	1.6	2.7	1.6	-4.2	5.0
Electrical machinery and equipment.....	11	7	7.2	1.1	0.5	0.7	0.5	1.2
Electronic components and accessories.....	11	78	2.9	0.2	0.0	0.5	0.3	0.7
Stage 2 intermediate demand services.....	ID5	9212	7.4	0.9	-0.1	0.7	1.1	0.1
Rail transportation of freight and mail ²	30	11	9.0	0.5	0.8	0.7	0.4	1.6
Truck transportation of freight ²	30	12	18.3	1.3	2.1	2.4	0.8	1.3
Pipeline transportation of petroleum products.....	30	1501	1.6	-0.1	0.3	0.4	0.3	-0.1
U.S. Postal Service.....	30	1601	7.6	5.6	1.1	0.0	0.2	-0.6
Courier and messenger services, except air.....	30	1602	8.7	0.6	0.8	1.0	0.3	2.3
Air mail and package delivery services, excluding by USPS.....	30	1603	12.8	0.5	1.5	1.6	-0.6	3.5
Airline passenger services.....	30	22	14.6	-7.8	-1.2	4.9	4.1	-4.2
Arrangement of freight and cargo ²	31	31	83.6	21.5	-2.4	-1.5	6.2	-5.2
Television advertising time sales.....	36	21	-5.2	2.0	-2.3	5.1	3.1	1.5
Wireless telecommunication services.....	37	2	0.1	0.0	0.0	0.1	-0.1	-0.2
Data processing and related services ²	38	1	-0.4	-0.2	0.2	0.0	0.0	-1.3
Securities brokerage, dealing, investment advice, and related services ²	40	1	6.7	-0.2	-6.7	8.2	-1.3	-0.5
Portfolio management ²	40	2	8.2	1.2	-1.3	2.5	-0.2	1.9
Investment banking ²	40	31	17.5	2.5	0.0	0.0	0.6	0.3
Insurance.....	41	11	1.0	0.0	0.0	0.1	0.2	0.1
Commissions from sales of insurance ²	42	11	0.6	0.2	0.1	0.0	0.0	0.0
Legal services.....	45	1	5.8	0.5	0.7	0.4	0.4	1.3
Accounting services (partial).....	45	2	0.6	0.4	-0.6	0.1	0.2	0.1
Management, scientific, and technical consulting services.....	45	4	3.5	0.2	0.8	-0.3	0.4	1.3
Advertising agency services ²	45	51	6.3	0.0	-2.8	5.1	2.0	2.1
Staffing services.....	46	3	5.6	0.2	0.2	1.0	0.8	0.6
Security guard services ²	48	1	6.1	1.0	0.6	0.0	0.5	1.1
Janitorial services ²	49	1	7.4	0.4	0.2	0.3	2.6	1.9
Traveler accommodation services.....	53	1	25.8	0.5	-0.4	4.2	3.9	5.4
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	5.3	0.0	1.1	0.4	0.2	1.0
Hardware and building materials and supplies retailing.....	58	D	5.7	-2.1	0.1	-6.5	2.1	4.7
Stage 1 intermediate demand.....	ID5	1	16.7	0.2	1.1	1.2	0.3	1.0
Stage 1 intermediate demand goods.....	ID5	9111	26.4	0.7	2.5	2.0	-0.1	1.3
Prepared animal feeds ²	02	9	11.9	-0.4	-0.5	0.2	0.4	3.4
Commercial electric power.....	05	42	7.1	0.9	0.1	2.0	-1.1	0.8
Industrial electric power.....	05	43	11.4	0.1	2.1	1.2	-0.8	2.6
Commercial natural gas.....	05	52	30.9	2.8	6.5	0.6	-1.3	0.3
Industrial natural gas.....	05	53	46.2	1.1	10.4	2.2	-2.6	-2.9
Gasoline.....	05	71	53.3	4.5	6.8	2.9	-2.0	1.9
No. 2 diesel fuel.....	05	7303	56.5	1.3	11.6	-3.2	-3.1	9.4
Industrial chemicals.....	06	1	30.8	-0.8	1.7	2.2	-1.5	-1.6
Prepared paint ²	06	21	22.9	1.7	1.1	0.8	1.0	6.6
Plastic construction products ²	07	21	35.0	1.2	2.9	1.3	1.2	1.8
Recyclable paper ²	09	12	60.5	4.8	6.3	-4.2	-8.0	-6.6
Paper ²	09	13	17.7	1.1	0.9	1.2	0.2	1.2
Converted paper and paperboard products ²	09	15	12.6	1.4	1.8	1.0	0.4	1.2
Iron and steel scrap ²	10	12	0.6	-4.5	-0.4	8.8	-1.8	-10.7
Steel mill products ²	10	17	112.7	4.9	4.1	3.0	0.2	-1.6
Primary nonferrous metals ²	10	22	31.5	2.7	5.4	-4.0	1.6	4.4
Nonferrous scrap.....	10	23	11.6	-6.5	0.6	0.3	-5.1	4.1
Nonferrous wire and cable ²	10	26	25.8	0.3	2.8	1.5	-1.7	0.1
Fabricated structural metal products.....	10	7	42.5	2.8	2.5	3.2	2.2	0.8
General purpose machinery and equipment.....	11	4	12.0	1.1	1.0	1.0	1.0	2.0
Construction sand, gravel, and crushed stone.....	13	21	7.6	0.4	0.2	0.6	0.1	3.3
Stage 1 intermediate demand services.....	ID5	9112	8.0	-0.3	-0.3	0.4	0.7	0.5
Truck transportation of freight ²	30	12	18.3	1.3	2.1	2.4	0.8	1.3
Airline passenger services.....	30	22	14.6	-7.8	-1.2	4.9	4.1	-4.2
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	1.2	-0.2	0.4	0.1	0.1	1.4
Business wired telecommunication services ²	37	12	0.7	0.1	0.0	0.1	0.1	0.1
Wireless telecommunication services.....	37	2	0.1	0.0	0.0	0.1	-0.1	-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
 [January 2022]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Jan. 2021 to Jan. 2022 ^p	Aug. to Sept.	Sept. to Oct. ^p	Oct. to Nov. ^p	Nov. to Dec. ^p
Bundled wired telecommunications access services ²	37	5	4.0	-0.9	1.1	-1.5	0.8	0.2
Business loans (partial).....	39	11	11.7	4.4	1.0	0.3	2.0	-0.6
Deposit services (partial) ²	39	2	-2.2	-0.4	0.7	0.1	-4.1	1.2
Securities brokerage, dealing, investment advice, and related services ²	40	1	6.7	-0.2	-6.7	8.2	-1.3	-0.5
Portfolio management ²	40	2	8.2	1.2	-1.3	2.5	-0.2	1.9
Investment banking ²	40	3	17.5	2.5	0.0	0.0	0.6	0.3
Insurance.....	41	11	1.0	0.0	0.0	0.1	0.2	0.1
Nonresidential real estate rents ²	43	11	3.4	0.4	-1.3	0.2	0.9	1.1
Architectural and engineering services.....	45	3	4.4	0.1	0.2	0.1	0.0	2.7
Management consulting services.....	45	41	3.5	0.2	0.8	-0.3	0.4	1.3
Waste collection.....	50	1	4.0	0.2	0.6	0.4	0.5	0.2
Traveler accommodation services.....	53	11	25.8	0.5	-0.4	4.2	3.9	5.4
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	5.3	0.0	1.1	0.4	0.2	1.0
Machinery and equipment parts and supplies wholesaling ²	57	1102	10.5	-1.5	1.3	3.0	-0.6	-0.5
Building materials, paint, and hardware wholesaling.....	57	3	25.7	0.4	6.7	-3.0	-0.3	1.7
Metals, minerals, and ores wholesaling ²	57	4	21.2	-0.6	-4.5	-6.3	4.0	-0.9
Chemicals and allied products wholesaling ²	57	5	4.5	-3.2	0.5	-2.5	3.0	-4.1
Paper and plastics products wholesaling ²	57	6	22.6	3.1	2.1	3.5	-2.4	2.4
Hardware and building materials and supplies retailing.....	58	D	5.7	-2.1	0.1	-6.5	2.1	4.7
Mining services ²	60	1	10.6	0.4	0.9	0.1	1.1	3.0

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Sept. 2021	Oct. 2021 ^P	Nov. 2021 ^P	Dec. 2021 ^P	Jan. 2022 ^P
Final Demand								
Final demand.....		FD	4	129.167	130.039	131.207	131.779	133.033
Final demand goods.....		FD	41	129.285	130.994	132.178	132.010	133.672
Final demand foods.....		FD	411	135.801	135.643	137.300	136.892	139.068
Finished consumer foods ²	00/82	FD	4111	236.158	236.879	239.911	239.139	242.591
Finished consumer foods, crude.....	00/82	FD	411113	223.211	240.378	263.922	253.750	240.694
Finished consumer foods, processed.....	00/82	FD	41112	238.070	237.019	237.847	238.087	243.325
Government purchased foods.....		FD	4112	141.647	139.895	140.644	140.429	143.434
Foods for export.....		FD	4113	145.439	143.079	144.862	144.512	147.483
Final demand energy.....		FD	412	125.230	131.514	132.682	130.430	133.658
Finished consumer energy goods ²	00/82	FD	4121	197.976	206.788	208.583	206.002	209.584
Government purchased energy.....		FD	4122	128.108	137.165	138.401	133.758	140.616
Energy for export.....		FD	4123	111.919	120.944	122.305	117.415	124.932
Final demand goods less foods and energy.....		FD	413	128.670	129.529	130.595	131.093	132.166
Finished goods less foods and energy ²	00/82	FD	4131	221.556	222.713	224.056	225.333	227.557
Finished consumer goods less foods and energy.....	00/82	FD	41311	247.803	248.959	250.506	252.027	254.190
Nondurable consumer goods less foods and energy.....	00/82	FD	413111	317.691	319.440	321.550	323.892	326.380
Durable consumer goods.....	00/82	FD	413112	175.489	176.056	177.032	177.741	179.540
Private capital equipment.....	00/82	FD	41312	188.830	189.936	191.042	192.049	194.228
Private capital equipment for manufacturing industries.....	00/82	FD	413121	197.223	198.455	199.780	200.968	203.948
Private capital equipment for nonmanufacturing industries.....	00/82	FD	413122	186.202	187.272	188.316	189.273	191.231
Government purchased goods, excluding foods and energy.....		FD	4132	124.772	125.604	126.715	127.396	128.576
Government purchased goods excluding foods, energy, and capital equipment.....		FD	41321	130.993	132.211	133.938	134.745	136.311
Government purchased capital equipment.....		FD	41322	115.185	115.517	115.830	116.341	117.017
Goods for export, excluding foods and energy.....		FD	4133	130.123	131.316	132.865	132.879	133.540
Final demand services.....		FD	42	128.648	128.917	130.091	131.043	131.989
Final demand trade services ³		FD	423	134.531	135.342	136.856	138.961	139.745
Trade of finished goods ²		FD	4231	133.786	134.397	135.954	138.278	139.051
Trade of personal consumption goods.....		FD	42311	134.765	134.669	136.135	138.617	138.935
Trade of private capital equipment.....		FD	42312	128.014	131.671	133.608	135.219	137.955
Trade of government purchased goods.....		FD	4232	136.825	139.064	140.662	141.085	142.727
Trade of government purchased goods, excluding capital equipment.....		FD	42321	144.114	145.252	146.437	146.211	146.398
Trade of government purchased capital equipment.....		FD	42322	124.493	128.362	130.566	131.960	135.773
Trade of exports.....		FD	4233	140.816	142.851	143.965	144.791	145.355
Final demand transportation and warehousing services.....		FD	422	133.211	134.695	138.248	140.449	140.418
Transportation of passengers for final demand.....		FD	4221	106.616	105.336	110.430	114.947	110.170
Transportation of private passengers.....		FD	42211	106.686	105.409	110.489	114.994	110.288
Transportation of government passengers.....		FD	42212	106.764	105.500	110.522	114.975	110.258
Transportation of passengers for export.....		FD	42213	106.323	105.030	110.182	114.753	109.926
Transportation and warehousing of goods for final demand.....		FD	4222	143.286	145.962	148.806	149.974	152.008
Transportation and warehousing of finished goods ²		FD	42221	142.287	145.021	147.942	149.127	151.021
Transportation and warehousing of personal consumption goods.....		FD	422211	142.600	145.315	148.197	149.359	151.235
Transportation and warehousing of private capital equipment.....		FD	422212	141.032	143.844	146.922	148.201	150.167
Transportation and warehousing of government purchased goods.....		FD	42222	140.913	143.470	145.711	147.097	149.101
Transportation and warehousing of exports.....		FD	42223	147.181	149.763	152.574	153.663	156.052
Final demand services less trade, transportation, and warehousing.....		FD	421	125.571	125.473	126.259	126.562	127.678
Finished services less trade, transportation, and warehousing ²		FD	4211	125.974	125.919	126.675	126.990	128.123
Finished consumer services less trade, transportation, and warehousing.....		FD	42111	125.820	125.684	126.515	126.788	127.853
Private capital investment services less trade, transportation, and warehousing.....		FD	42112	127.677	128.340	128.430	129.117	130.858
Government purchased services less trade, transportation, and warehousing.....		FD	4212	118.084	117.863	118.542	118.911	119.782
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....		FD	42121	118.501	118.228	118.952	119.326	120.252
Government purchased capital investment services less trade, transportation, and warehousing.....		FD	42122	107.206	108.047	107.778	108.051	107.799
Services for export less trade, transportation, and warehousing.....		FD	4213	129.112	128.528	129.883	129.932	131.072
Final demand construction.....		FD	43	137.350	145.520	146.400	146.466	151.793
Construction for private capital investment.....		FD	431	137.772	147.189	147.741	148.286	154.370
Construction for government.....		FD	432	136.363	142.270	142.733	142.942	146.894
Final Demand Special Groupings								
Final demand less exports.....	04/10	FD	49101	126.790	127.625	128.706	129.340	130.607
Final demand less government.....	04/10	FD	49102	127.547	128.337	129.499	130.114	131.291
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy ¹	04/10	FD	49103	127.653	128.203	129.380	130.213	131.235
Final demand less foods and energy ⁴	04/10	FD	49104	127.485	128.032	129.156	129.979	131.023
Final demand less foods and food and nonalcoholic beverages for immediate consumption ⁴	04/10	FD	49105	127.090	128.032	129.205	129.823	130.993

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Sept. 2021	Oct. 2021 ^P	Nov. 2021 ^P	Dec. 2021 ^P	Jan. 2022 ^P
Final demand less foods ⁴	04/10	FD	49106	126.900	127.818	128.941	129.562	130.744
Final demand less energy.....	04/10	FD	49107	127.709	128.214	129.367	130.118	131.225
Final demand less trade services.....	01/10	FD	49108	126.472	127.351	128.427	128.632	129.982
Final demand less distributive services ⁵	01/10	FD	49109	125.852	126.666	127.676	127.845	129.171
Final demand goods less energy.....	01/10	FD	49111	128.984	129.629	130.805	131.116	132.403
Final demand goods less foods.....	04/10	FD	49112	125.035	127.068	128.132	128.014	129.538
Final demand services less trade services.....	04/10	FD	49113	125.262	125.307	126.334	126.803	127.808
Final demand distributive services ⁵	04/10	FD	49114	133.192	134.226	135.881	137.829	138.758
Final demand goods plus final demand distributive services ⁵	04/10	FD	49115	129.108	130.527	131.882	132.554	133.904
Final demand less foods, energy, and trade services ⁴	08/13	FD	49116	118.553	119.001	119.962	120.407	121.460
Private and government purchased capital equipment.....	08/13	FD	49117	114.637	115.260	115.881	116.478	117.708
Private and government purchased capital investment services.....	08/13	FD	49118	117.951	119.895	120.873	121.897	123.924
Total private and government purchased capital investment.....	08/13	FD	49119	117.798	119.731	120.511	121.295	123.272
Total finished ²	01/10	FD	49201	127.857	128.610	129.706	130.413	131.620
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy ^{2, 4}	12/10	FD	49202	127.029	127.466	128.521	129.469	130.557
Total finished less foods and energy ^{2, 4}	01/10	FD	49203	127.947	128.376	129.433	130.380	131.468
Total finished less foods and food and nonalcoholic beverages for immediate consumption ⁴	12/10	FD	49204	126.214	126.996	128.051	128.820	129.981
Total finished less foods ^{2, 4}	01/10	FD	49205	127.636	128.410	129.471	130.244	131.410
Total finished less energy ²	01/10	FD	49206	128.170	128.598	129.692	130.559	131.695
Finished goods ²	00/82	FD	49207	226.959	230.070	231.920	231.833	234.742
Finished goods less energy ²	00/82	FD	49208	224.925	225.969	227.741	228.492	231.026
Finished goods, excluding foods ^{2, 4}	00/82	FD	49209	223.753	227.443	228.992	229.075	231.838
Finished services ²	01/10	FD	49210	127.592	127.809	128.934	129.933	130.888
Private capital investment services.....	04/10	FD	49211	127.172	129.215	130.245	131.349	133.508
Finished distributive services ^{2, 5}	04/10	FD	49212	132.085	132.897	134.562	136.727	137.598
Finished services less trade services ²	04/10	FD	49213	125.449	125.502	126.448	126.893	127.928
Finished services less distributive services ^{2, 5}	04/10	FD	49214	124.713	124.631	125.479	125.886	126.879
Total private capital investment (goods, services, and construction).....	04/10	FD	49215	124.832	126.824	127.682	128.551	130.657
Finished goods plus finished distributive services ²	04/10	FD	49216	129.247	130.553	131.880	132.862	134.136
Total exports.....	04/10	FD	49301	129.014	130.016	131.591	131.715	132.746
Goods for export.....	00/82	FD	49302	220.032	222.091	224.723	224.274	226.350
Services for export.....	04/10	FD	49303	133.961	134.692	136.380	137.095	137.881
Total government purchases.....	04/10	FD	49401	122.612	124.275	125.279	125.253	127.148
Government purchased goods.....	00/82	FD	49402	207.815	211.852	213.648	212.577	216.982
Government purchased services.....	04/10	FD	49403	121.845	122.188	123.228	123.766	124.678
Total government purchased capital investment (goods, services, construction).....	08/13	FD	49404	115.790	118.079	118.630	119.138	121.005
Personal consumption.....	01/10	FD	49501	128.434	128.911	130.058	130.729	131.736
Personal consumption goods (finished consumer goods).....	00/82	FD	49502	243.128	247.148	249.331	248.736	251.966
Personal consumption goods less energy.....	00/82	FD	49503	243.521	244.497	246.673	247.232	249.943
Personal consumption goods less foods.....	00/82	FD	49504	244.132	249.461	251.283	250.764	253.880
Personal consumption nondurable goods less foods.....	00/82	FD	49508	274.053	281.386	283.569	282.542	286.220
Personal consumption services.....	04/10	FD	49505	127.130	127.075	128.209	129.188	129.960
Personal consumption less trade services.....	04/10	FD	49506	126.400	127.028	128.087	128.275	129.461
Personal consumption less distributive services ⁵	04/10	FD	49507	125.981	126.545	127.549	127.907	128.873
Personal consumption less foods and energy.....	04/14	FD	49510	118.751	118.771	119.792	120.686	121.444
Personal consumption less foods, energy, and trade services ³	04/14	FD	49511	117.199	117.254	118.169	118.607	119.519
Personal consumption less foods, energy, and distributive services ⁵	04/14	FD	49512	117.037	116.998	117.850	118.265	119.148
Personal consumption goods plus personal consumption distributive services ⁵	08/13	FD	49509	119.480	120.545	121.791	122.687	123.687
Intermediate Demand by Commodity Type								
Processed goods								
Processed goods for intermediate demand.....	00/82	ID6	1	239.389	245.140	248.775	248.429	252.700
Materials and components for manufacturing.....	00/82	ID6	11	230.613	234.472	237.325	237.815	239.742
Materials for manufacturing.....		ID6	111	150.817	153.744	155.916	155.743	156.719
Materials for food manufacturing.....	00/82	ID6	1111	233.772	232.812	233.368	233.349	238.976
Materials for nondurable manufacturing.....	00/82	ID6	1112	271.274	275.444	279.172	277.193	276.277
Materials for durable manufacturing.....	00/82	ID6	1113	307.558	317.173	323.018	324.530	327.913
Components for manufacturing.....	00/82	ID6	112	169.256	171.197	172.616	174.065	176.103
Components for nondurable manufacturing.....		ID6	1121	131.777	134.875	137.028	138.860	140.988
Components for durable manufacturing.....		ID6	1122	119.453	120.747	121.697	122.687	124.099
Materials and components for construction.....	00/82	ID6	12	307.579	311.910	317.461	323.196	332.456
Materials for construction.....		ID6	121	148.717	150.252	152.545	155.964	163.000
Components for construction.....		ID6	122	154.471	157.080	160.171	162.550	165.213
Processed fuels and lubricants for intermediate demand.....	00/82	ID6	13	217.460	231.950	237.818	230.894	238.740
Processed fuels and lubricants to manufacturing industries.....	00/82	ID6	131	226.702	236.815	236.879	233.819	243.687
Processed fuels and lubricants to nonmanufacturing industries.....	00/82	ID6	132	214.815	230.761	238.537	230.338	237.536
Containers for intermediate demand.....	00/82	ID6	14	266.635	273.445	276.097	278.635	290.171

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Sept. 2021	Oct. 2021 ^P	Nov. 2021 ^P	Dec. 2021 ^P	Jan. 2022 ^P
Supplies for intermediate demand.....	00/82	ID6	15	227.871	229.836	232.354	233.805	237.140
Supplies to manufacturing industries.....	00/82	ID6	151	226.077	229.603	232.702	233.409	236.391
Supplies to nonmanufacturing industries.....	00/82	ID6	152	226.333	228.035	230.441	231.999	235.363
Supplies to nonmanufacturing industries, feeds.....	00/82	ID6	1521	223.636	223.609	222.929	222.127	228.319
Supplies to nonmanufacturing industries, other than feeds.....	00/82	ID6	1522	228.406	230.297	233.031	234.838	237.945
Unprocessed goods								
Unprocessed goods for intermediate demand.....	00/82	ID6	2	257.634	273.119	279.278	265.872	260.534
Unprocessed foodstuffs and feedstuffs.....	00/82	ID6	21	211.050	206.340	208.877	216.676	215.195
Unprocessed nonfood materials.....	00/82	ID6	22	279.119	307.555	315.854	289.205	281.550
Unprocessed nonfood materials except fuel.....	00/82	ID6	221	327.571	343.774	351.465	328.306	349.850
Unprocessed nonfood materials except fuel to manufacturing industries.....	00/82	ID6	2211	305.606	321.414	328.847	306.206	326.788
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	00/82	ID6	2212	292.510	293.049	294.705	294.955	304.422
Unprocessed fuel.....	00/82	ID6	222	194.848	236.485	244.875	215.981	171.926
Unprocessed fuel to manufacturing industries.....	00/82	ID6	2221	192.337	204.287	208.838	197.047	202.630
Unprocessed fuel to nonmanufacturing industries.....	00/82	ID6	2222	200.575	245.201	254.064	223.307	174.986
Services								
Services for intermediate demand.....		ID6	3	132.971	132.921	133.726	134.640	135.238
Trade services for intermediate demand ⁵		ID6	33	155.418	156.152	155.421	156.653	156.675
Trade services for manufacturing industries.....	12/12	ID6	331	143.084	143.987	143.497	144.491	143.944
Trade services for nonmanufacturing industries.....	12/12	ID6	332	137.184	137.604	136.776	138.003	138.591
Transportation and warehousing services for intermediate demand.....		ID6	32	144.997	145.769	147.066	149.441	149.888
Transportation of passengers for intermediate demand.....		ID6	321	106.841	105.578	110.597	115.047	110.332
Transportation of passengers for manufacturing industries.....		ID6	3211	106.323	105.032	110.179	114.745	109.923
Transportation of passengers for nonmanufacturing industries.....		ID6	3212	106.961	105.700	110.704	115.141	110.439
Transportation and warehousing of goods for intermediate demand.....		ID6	322	149.093	150.082	150.986	153.144	154.135
Transportation and warehousing of goods for manufacturing industries.....	12/12	ID6	3221	119.035	120.980	122.817	123.926	125.435
Transportation and warehousing of goods for nonmanufacturing industries.....	12/12	ID6	3222	134.527	135.092	135.593	137.714	138.405
Services less trade, transportation, and warehousing for intermediate demand.....		ID6	31	124.780	124.368	125.515	126.088	126.872
Services less trade, transportation, and warehousing for manufacturing industries.....		ID6	311	116.651	117.792	118.236	118.826	119.340
Services less trade, transportation, and warehousing for nonmanufacturing industries.....		ID6	312	125.039	124.574	125.745	126.318	127.111
Construction								
Construction for intermediate demand.....		ID6	4	130.180	130.752	131.466	131.865	133.467
Intermediate Demand by Commodity Type Special Groupings								
Processed materials less foods and feeds.....	00/82	ID6	9111	240.423	246.800	250.760	250.391	254.543
Processed foods and feeds.....	00/82	ID6	9112	229.117	228.174	228.359	228.268	233.819
Processed energy goods.....	00/82	ID6	9113	218.469	233.023	238.915	231.961	239.844
Processed materials less energy.....	00/82	ID6	9118	241.756	245.235	248.263	249.573	252.893
Processed materials less foods and energy.....	00/82	ID6	9115	242.821	246.814	250.174	251.646	254.697
Intermediate distributive services ⁶	04/10	ID6	9116	150.273	151.083	150.947	152.484	152.850
Processed goods plus intermediate distributive services.....	04/10	ID6	9117	135.567	138.086	139.508	139.773	141.582
Unprocessed materials less agricultural products.....	00/82	ID6	9211	280.656	312.811	320.629	291.377	281.471
Unprocessed energy materials ⁷	00/82	ID6	9212	208.573	245.447	251.264	221.214	210.790
Unprocessed materials less energy.....	00/82	ID6	9213	277.587	272.825	278.844	282.539	281.090
Unprocessed nonfood materials less energy ⁸	00/82	ID6	9216	479.728	472.513	488.448	479.515	479.891
Intermediate Demand by Production Flow								
Stage 4 Intermediate Demand								
Stage 4 intermediate demand.....		ID5	4	134.714	135.559	137.086	137.762	139.322
Inputs to stage 4 goods producers.....		ID5	41	133.786	135.385	136.947	137.446	138.899
Goods.....		ID5	411	129.238	130.847	132.550	133.091	135.088
Foods.....		ID5	4111	138.769	138.044	141.263	141.075	143.015
Energy.....		ID5	4112	131.783	137.728	142.636	148.602	149.218
Goods excluding foods and energy.....		ID5	4113	127.824	129.745	131.194	131.797	133.816
Services.....		ID5	412	149.048	150.656	151.855	152.250	152.229
Trade services.....		ID5	4123	158.349	160.149	161.477	161.764	161.310
Transportation and warehousing services.....		ID5	4122	123.620	124.854	127.116	128.649	129.303
Transportation of passengers.....		ID5	41221	106.322	105.030	110.181	114.752	109.925
Transportation and warehousing of goods.....		ID5	41222	135.193	137.003	138.855	139.902	141.661
Services less trade, transportation, and warehousing.....		ID5	4121	118.603	119.562	119.931	120.393	121.827
Inputs to stage 4 services producers.....		ID5	42	132.186	132.253	133.742	134.246	135.356
Goods.....		ID5	421	131.335	132.905	134.832	135.062	136.810
Foods.....		ID5	4211	144.392	143.053	143.063	143.262	144.469

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Sept. 2021	Oct. 2021 ^P	Nov. 2021 ^P	Dec. 2021 ^P	Jan. 2022 ^P
Energy.....		ID5	4212	121.028	125.057	128.736	126.509	128.710
Goods excluding foods and energy.....		ID5	4213	132.490	133.592	135.137	136.670	138.328
Services.....		ID5	422	132.362	131.886	133.217	133.820	134.697
Trade services.....		ID5	4223	140.737	142.334	143.157	143.771	143.425
Transportation and warehousing services.....		ID5	4222	135.157	136.226	137.147	139.596	140.834
Transportation of passengers.....		ID5	42221	106.117	104.838	109.930	114.447	109.673
Transportation and warehousing of goods.....		ID5	42222	140.886	142.390	142.545	144.618	146.969
Services less trade, transportation, and warehousing.....		ID5	4221	130.429	129.527	130.961	131.376	132.376
Construction.....		ID5	423	130.180	130.752	131.466	131.865	133.467
Inputs to stage 4 construction producers.....		ID5	43	145.344	147.446	149.027	150.809	154.412
Goods.....		ID5	431	145.985	148.579	151.426	153.565	157.792
Energy.....		ID5	4312	139.278	149.379	152.440	150.354	154.082
Goods excluding foods and energy.....		ID5	4313	150.037	151.957	154.850	157.452	161.826
Services.....		ID5	432	143.123	144.041	142.596	143.516	145.615
Trade services.....		ID5	4323	163.882	164.776	160.307	161.858	163.843
Transportation and warehousing services.....		ID5	4322	137.756	140.236	143.213	144.472	146.229
Transportation of passengers.....		ID5	43221	110.897	109.552	114.909	119.662	114.641
Transportation and warehousing of goods.....		ID5	43222	139.170	141.764	144.693	145.866	147.811
Services less trade, transportation, and warehousing.....		ID5	4321	120.879	121.266	121.460	121.590	123.889
Stage 3 Intermediate Demand								
Stage 3 intermediate demand.....		ID5	3	137.720	139.124	140.221	141.232	142.293
Inputs to stage 3 goods producers.....		ID5	31	152.647	153.951	155.336	157.412	157.533
Goods.....		ID5	311	149.967	151.316	153.282	155.382	155.409
Foods.....		ID5	3111	154.816	150.934	151.659	159.895	157.967
Energy.....		ID5	3112	126.844	136.115	145.079	145.903	144.505
Goods excluding foods and energy.....		ID5	3113	152.921	156.250	158.325	158.090	158.994
Services.....		ID5	312	152.611	153.679	152.529	154.356	154.860
Trade services.....		ID5	3123	161.873	162.215	158.845	161.128	160.895
Transportation and warehousing services.....		ID5	3122	137.068	139.277	141.766	143.219	144.843
Transportation of passengers.....		ID5	31221	113.222	111.847	117.328	122.191	117.055
Transportation and warehousing of goods.....		ID5	31222	138.225	140.637	142.950	144.205	146.215
Services less trade, transportation, and warehousing.....		ID5	3121	119.466	120.876	121.338	121.916	122.939
Inputs to stage 3 services producers.....		ID5	32	125.421	126.932	127.878	127.974	129.716
Goods.....		ID5	321	109.941	116.280	117.046	113.943	119.392
Foods.....		ID5	3211	141.288	141.828	143.097	144.215	148.033
Energy.....		ID5	3212	107.535	117.221	117.388	112.009	120.210
Goods excluding foods and energy.....		ID5	3213	122.300	123.644	125.465	125.846	127.155
Services.....		ID5	322	129.907	129.909	130.915	132.017	132.585
Trade services.....		ID5	3223	167.414	167.064	168.139	167.856	169.170
Transportation and warehousing services.....		ID5	3222	158.259	157.843	157.989	160.743	160.579
Transportation of passengers.....		ID5	32221	101.620	101.470	101.555	101.540	101.093
Transportation and warehousing of goods.....		ID5	32222	158.749	158.331	158.478	161.248	161.084
Services less trade, transportation, and warehousing.....		ID5	3221	120.585	120.720	121.949	122.731	123.436
Construction.....		ID5	323	130.180	130.752	131.466	131.865	133.467
Inputs to stage 3 construction producers.....		ID5	33	132.796	134.053	131.899	134.078	138.678
Goods.....		ID5	331	122.168	124.314	126.390	128.951	134.428
Energy.....				-	-	-	-	-
Goods excluding foods and energy.....		ID5	3313	155.672	158.406	161.051	164.315	171.294
Services.....		ID5	332	160.774	161.442	155.330	157.488	161.982
Trade services.....		ID5	3323	166.206	166.788	160.080	162.349	167.247
Transportation and warehousing services.....		ID5	3322	101.118	102.490	103.183	104.396	105.819
Transportation and warehousing of goods.....		ID5	33222	106.734	108.182	108.914	110.194	111.696
Services less trade, transportation, and warehousing.....		ID5	3321	110.363	112.437	113.333	114.139	112.980
Stage 2 Intermediate Demand								
Stage 2 intermediate demand.....		ID5	2	127.445	132.146	133.721	130.745	130.028
Inputs to stage 2 goods producers.....		ID5	21	122.281	130.663	132.389	126.148	124.598
Goods.....		ID5	211	122.753	133.295	135.534	127.079	125.120
Foods.....		ID5	2111	154.099	150.627	149.588	149.831	156.525
Energy.....		ID5	2112	94.213	110.824	112.849	98.991	94.971
Goods excluding foods and energy.....		ID5	2113	143.565	145.644	148.418	147.966	148.021
Services.....		ID5	212	131.988	133.124	133.065	134.545	134.301
Trade services.....		ID5	2123	148.996	150.417	149.304	151.232	150.143
Transportation and warehousing services.....		ID5	2122	150.858	152.176	153.054	155.113	155.912
Transportation of passengers.....		ID5	21221	108.180	106.950	111.813	116.120	111.535
Transportation and warehousing of goods.....		ID5	21222	153.442	154.926	155.543	157.452	158.601
Services less trade, transportation, and warehousing.....		ID5	2121	115.945	116.733	117.331	117.960	117.963
Construction.....		ID5	213	130.180	130.752	131.466	131.865	133.467
Inputs to stage 2 services producers.....		ID5	22	129.610	129.464	130.792	132.073	132.441

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Sept. 2021	Oct. 2021 ^P	Nov. 2021 ^P	Dec. 2021 ^P	Jan. 2022 ^P
Goods.....		ID5	221	131.721	134.048	136.546	137.289	138.554
Foods.....		ID5	2211	119.288	119.654	120.515	121.383	124.696
Energy.....		ID5	2212	138.030	154.198	167.948	160.442	162.940
Goods excluding foods and energy.....		ID5	2213	131.716	133.205	135.024	136.278	137.456
Services.....		ID5	222	128.991	128.454	129.633	131.027	131.212
Trade services.....		ID5	2223	155.692	152.480	157.810	163.550	158.069
Transportation and warehousing services.....		ID5	2222	164.268	161.733	162.162	168.161	163.523
Transportation of passengers.....		ID5	22221	106.912	105.626	110.743	115.282	110.483
Transportation and warehousing of goods.....		ID5	22222	175.790	172.991	172.481	178.772	174.166
Services less trade, transportation, and warehousing.....		ID5	2221	126.108	125.873	126.866	127.677	128.556
Construction.....		ID5	223	130.180	130.752	131.466	131.865	133.467
Stage 1 Intermediate Demand								
Stage 1 intermediate demand.....		ID5	1	134.131	135.608	137.295	137.727	139.061
Inputs to stage 1 goods producers.....		ID5	11	142.205	144.713	147.347	147.596	147.584
Goods.....		ID5	111	142.172	145.517	149.814	149.468	149.518
Foods.....		ID5	1111	153.558	149.985	153.000	155.004	156.983
Energy.....		ID5	1112	112.344	121.832	131.192	128.260	128.679
Goods excluding foods and energy.....		ID5	1113	150.974	154.125	157.551	157.410	157.046
Services.....		ID5	112	145.979	146.274	144.453	146.326	146.147
Trade services.....		ID5	1123	162.582	162.812	159.117	161.786	160.297
Transportation and warehousing services.....		ID5	1122	129.940	132.364	134.105	137.912	137.751
Transportation of passengers.....		ID5	11221	106.302	105.010	110.160	114.730	109.904
Transportation and warehousing of goods.....		ID5	11222	134.448	137.793	138.644	142.211	143.242
Services less trade, transportation, and warehousing.....		ID5	1121	103.320	103.379	103.979	104.206	105.885
Construction.....		ID5	113	130.180	130.752	131.466	131.865	133.467
Inputs to stage 1 services producers.....		ID5	12	128.937	129.683	131.301	131.646	133.233
Goods.....		ID5	121	126.181	129.799	131.170	130.877	134.401
Foods.....		ID5	1211	101.680	102.617	104.522	104.816	107.135
Energy.....		ID5	1212	134.139	142.798	143.734	140.503	146.894
Goods excluding foods and energy.....		ID5	1213	129.439	130.820	132.476	133.593	135.924
Services.....		ID5	122	130.056	129.360	131.099	131.763	132.376
Trade services.....		ID5	1223	149.300	149.825	151.377	151.401	151.878
Transportation and warehousing services.....		ID5	1222	124.160	124.888	127.405	129.535	128.800
Transportation of passengers.....		ID5	12221	106.241	104.950	110.097	114.663	109.841
Transportation and warehousing of goods.....		ID5	12222	147.379	149.333	150.618	151.582	153.099
Services less trade, transportation, and warehousing.....		ID5	1221	127.572	126.550	128.195	128.735	129.537
Construction.....		ID5	123	130.180	130.752	131.466	131.865	133.467
Inputs to stage 1 construction producers.....		ID5	13	146.162	148.232	147.758	149.125	153.134
Goods.....		ID5	131	142.031	144.941	146.318	147.543	151.725
Energy.....		ID5	1312	120.055	131.429	128.006	124.688	135.648
Goods excluding foods and energy.....		ID5	1313	147.150	149.004	151.028	152.864	156.229
Services.....		ID5	132	154.346	154.755	150.631	152.279	155.948
Trade services.....		ID5	1323	162.385	162.352	156.720	158.499	162.657
Transportation and warehousing services.....		ID5	1322	114.348	116.811	119.514	120.628	122.185
Transportation and warehousing of goods.....		ID5	13222	118.278	120.826	123.622	124.774	126.384
Services less trade, transportation, and warehousing.....		ID5	1321	121.676	122.362	123.060	123.131	123.281
Intermediate Demand by Production Flow Special Groupings								
Total goods inputs to stage 4 intermediate demand.....	04/10	ID5	9411	130.479	132.232	134.184	134.926	137.235
Total services inputs to stage 4 intermediate demand.....	04/10	ID5	9412	135.296	135.272	136.362	136.952	137.771
Total construction inputs to stage 4 intermediate demand.....	04/10	ID5	9413	129.101	129.668	130.377	130.772	132.361
Total foods inputs to stage 4 intermediate demand.....	04/10	ID5	9414	138.010	137.047	138.865	138.842	140.435
Total energy goods inputs to stage 4 intermediate demand.....	04/10	ID5	9415	114.047	118.694	122.018	120.257	122.450
Total goods less foods and energy inputs to stage 4 intermediate demand.....	04/10	ID5	9416	132.827	134.561	136.346	137.594	140.055
Total goods inputs to stage 3 intermediate demand.....	04/10	ID5	9311	132.577	135.079	136.653	137.369	138.778
Total services inputs to stage 3 intermediate demand.....	04/10	ID5	9312	132.982	133.184	133.692	134.926	135.532
Total construction inputs to stage 3 intermediate demand.....	04/10	ID5	9313	129.101	129.668	130.377	130.772	132.361
Total foods inputs to stage 3 intermediate demand.....	04/10	ID5	9314	137.696	134.268	134.917	142.193	140.521
Total energy goods inputs to stage 3 intermediate demand.....	04/10	ID5	9315	108.481	117.899	119.503	115.249	121.711
Total goods less foods and energy inputs to stage 3 intermediate demand.....	04/10	ID5	9316	141.920	144.803	146.761	146.684	147.707
Total goods inputs to stage 2 intermediate demand.....	04/10	ID5	9211	117.713	126.946	129.103	121.952	120.402
Total services inputs to stage 2 intermediate demand.....	04/10	ID5	9212	130.135	129.975	130.878	132.296	132.385
Total construction inputs to stage 2 intermediate demand.....	04/10	ID5	9213	129.101	129.668	130.377	130.772	132.361
Total foods inputs to stage 2 intermediate demand.....	04/10	ID5	9214	154.564	151.118	150.097	150.349	157.040
Total energy goods inputs to stage 2 intermediate demand.....	04/10	ID5	9215	92.734	108.990	111.108	97.614	93.753
Total goods less foods and energy inputs to stage 2 intermediate demand.....	04/10	ID5	9216	132.814	134.647	137.056	136.998	137.293
Total goods inputs to stage 1 intermediate demand.....	04/10	ID5	9111	121.515	124.514	127.021	126.952	128.651
Total services inputs to stage 1 intermediate demand.....	04/10	ID5	9112	133.897	133.478	134.076	135.035	135.746

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Sept. 2021	Oct. 2021 ^p	Nov. 2021 ^p	Dec. 2021 ^p	Jan. 2022 ^p
Total construction inputs to stage 1 intermediate demand.	04/10	ID5	9117	129.101	129.668	130.377	130.772	132.361
Total foods inputs to stage 1 intermediate demand.	04/10	ID5	9114	143.439	140.172	142.987	144.836	146.706
Total energy goods inputs to stage 1 intermediate demand.	04/10	ID5	9115	119.945	128.791	132.370	129.365	133.730
Total goods less foods and energy inputs to stage 1 intermediate demand.	04/10	ID5	9116	118.805	120.724	122.854	123.404	124.449

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.